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USAFETAC/DS-80/034

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

BAUMHOLDER GERMANY AAF WBAN# 34077
N 49 39 E 007 18 ELEV: 1408 EDEK WMO#

PARTS A-F

POR FROM HOURLY OBS FEB 65-DEC 70
POR FROM DAILY OBS FEB-APR 65, JUL-NOV 65,
FEB 66-DEC 70

FEB 07 1972

FEDERAL BUILDING
ASHEVILLE, N. C.

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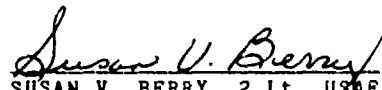
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FOR THE COMMANDER


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1089-02

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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
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Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for Baumholder AAF, Saarbrucken, GERMANY</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*GERMANY

* BAUMHOLDER AAF, DL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION
USAFETAC OL-1
AIR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP

DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02, 21-23

APRIL 00-02, 21-23

JULY 00-02, 21-23

OCTOBER 00-02, 21-23

FEBRUARY 00-02, 21-23

MAY 00-02, 21-23

AUGUST

NOVEMBER 00-02, 21-23

MARCH 00-02, 21-23

JUNE

SEPTEMBER 00-02, 21-23

DECEMBER 00-02, 21-23

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ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category, are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077

BAUMHOLDER GERMANY AAF

65-70

LL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH:	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		10.4	2.4	14.1		26.6	70.7	45.6			90.4	1734
FEB			15.3	.6	14.7		29.7	52.2	48.4	.0		79.9	215
MAR		.1	14.2		10.6		23.5	35.7	51.0	.1		74.3	221
APR		.2	17.8	.1	3.0	.0	20.2	27.8	37.9			53.0	2242
MAY		.4	11.8		.0		11.8	18.0	31.0	.0		42.3	2339
JUN		.6	10.0				10.0	42.0	25.0			59.1	2415
JUL		.5	13.4				13.4	20.8	31.6			43.4	2345
AUG		1.2	27.3				27.3	37.0	22.6			53.3	2376
SEP		.2	9.9				9.9	32.4	37.0			56.1	2276
OCT			12.6			.1	12.7	49.3	44.7			77.1	2317
NOV			16.9	1.5	12.7		30.4	55.9	36.8			78.4	2093
DEC			24.0	1.2	12.9		36.9	68.2	34.9			87.6	1949
TOTALS		.3	15.3	.5	5.7	.0	21.0	42.5	37.2	.0		66.3	26493

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF

66-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05		11.0	2.5	12.7		26.3	83.9	33.9			93.8	113
	06-08		13.7	2.2	13.2		28.9	78.5	33.3			30.7	419
	09-11		13.5	3.0	16.6		32.6	67.8	33.8			84.0	429
	12-14		11.9	1.9	15.6		28.9	52.0	43.6			82.8	429
	15-17		3.9	1.1	12.4		22.4	62.6	46.3			88.2	390
	18-20		3.4	3.4	13.8		20.7	79.3	82.8			100.0	29
	21-23												
TOTALS			10.4	2.4	14.1		26.6	70.7	45.6			90.4	1794

DATA PROCESSING DIVISION
USAF ETAC
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WEATHER CONDITIONS

34077 BAUMHOLTER GERMANY AAF 65-70
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02												
	03-05		19.6	.7	17.0		34.6	71.2	37.9			85.6	153
	06-08		18.0	1.0	17.6		35.3	68.0	38.2			85.7	444
	09-11		15.4	1.4	18.1		34.0	49.6	40.7			77.1	486
	12-14		17.3	.8	14.3		32.1	36.9	40.5			57.9	474
	15-17		12.8	.9	13.5		28.1	33.8	45.4	.2		68.4	452
	18-20		8.9		5.4		14.3	51.8	87.5			94.5	56
	21-23												
TOTALS			15.9	.8	14.7		29.9	52.2	48.4	.0		79.9	2123

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WEATHER CONDITIONS

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BAUMHOLDER GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02												
	03-05		14.5		12.7		26.7	75.8	47.9	.5		93.9	165
	06-08		15.1		11.4		25.8	55.8	48.8			84.1	510
	09-11		15.4		9.9		23.6	29.2	48.1			70.0	513
	12-14		12.8		8.7		20.5	18.2	42.0			56.9	493
	15-17	.4	14.3		9.3		21.9	15.6	43.5			55.4	452
	18-20		12.9		11.3		22.6	19.4	75.8			85.5	62
	21-23												
TOTALS		.1	14.2		10.6		23.5	35.7	51.0	.1		74.3	2201

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02												
	03-05		15.4		3.6		18.3	56.8	42.6			73.4	159
	06-08		15.8	.2	4.8		19.9	43.6	39.8			62.2	510
	09-11		17.3	.6	3.7		20.0	17.9	36.0			47.7	319
	12-14	.8	19.7		3.6		22.5	12.4	26.7			37.1	493
	15-17	.6	20.3		2.5	.2	22.0	14.2	25.5			35.7	478
	18-20		18.3				18.3	21.7	56.7			65.7	60
	21-23												
TOTALS		.2	17.8	.1	3.0	.0	20.2	27.8	37.9			53.8	2242

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WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05		17.4				17.4	48.9	38.5			65.7	176
	06-08		12.9				12.9	31.6	38.1			58.5	335
	09-11	.6	10.6				10.6	11.9	29.5	.2		40.1	339
	12-14	.2	11.2				11.2	5.4	20.6			24.7	535
	15-17	1.3	10.4		.2		10.4	5.6	20.1			24.2	337
	18-20		8.1				8.1	4.8	38.7			40.3	52
	21-23												
TOTALS		.4	11.8		.0		11.8	13.0	31.0	.0		42.3	2339

DATA PROCESSING DIVISION
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WEATHER CONDITIONS

34077

BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02							100.0				100.0	3
	03-05		12.7				12.7	54.7	40.9			66.9	191
	06-08	.2	13.3				13.3	37.0	40.4			60.7	540
	09-11	.6	13.3				13.3	14.1	31.1			40.6	540
	12-14	1.9	13.7				13.7	6.7	22.8			27.8	540
	15-17	2.0	13.5				13.5	6.7	21.3			26.7	540
	18-20		13.3				13.3	15.0	43.3			50.0	60
	21-23							100.0				100.0	2
TOTALS		.6	10.0				10.0	42.0	25.0			59.1	2406

DATA PROCESSING DIVISION
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BAUMHOLDER GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05	.6	11.3				11.3	50.3	37.9			66.7	177
	06-08	.2	11.3				11.3	31.5	40.7			58.7	531
	09-11		13.4				13.4	11.9	29.2			36.7	501
	12-14	.4	11.9				11.9	7.7	20.3			25.7	522
	15-17	1.7	13.0				13.0	5.4	17.8			21.5	522
	18-20		19.4				19.4	17.7	43.5			51.6	62
	21-23												
TOTALS		.5	13.4				13.4	20.8	31.6			43.4	2345

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077

BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02		100.0				100.0	100.0				100.0	3
	03-05	1.1	11.6				11.6	64.6	32.6			74.0	191
	06-08		10.8				10.8	44.6	33.8			64.0	576
	09-11	.4	10.1				10.1	13.6	31.5			41.0	537
	12-14	1.0	10.2				10.2	3.6	23.0			25.3	522
	15-17	4.0	12.5				12.5	6.5	19.5			25.3	522
	18-20	2.9	13.0				13.0	13.0	40.6			46.4	49
	21-23		50.0				50.0	50.0				50.0	6
TOTALS		1.2	27.5				27.3	37.0	22.6			53.3	2376

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94077 BAUMHOLDER GERMANY AAF 65-70
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02												2
	03-05		12.9				12.9	84.7	32.4			91.4	17
	06-08		13.6				13.6	68.1	40.3			84.	514
	09-11	.2	8.5				8.5	24.4	46.9			61.7	516
	12-14	.4	10.5				10.5	6.5	33.3			38.3	517
	15-17	.8	12.0				12.0	9.7	30.8			37.9	517
	18-20		11.7				11.7	33.3	75.0			80.0	50
	21-23												
TOTALS		.2	9.9				9.9	32.4	37.0			56.1	2276

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRCIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		13.1			.6	13.7	78.9	31.4			90.3	175
	06-08		13.7			.2	13.7	69.4	33.6			82.9	533
	09-11		10.9				10.9	40.4	41.4			71.2	534
	12-14		10.5				10.5	25.0	37.9			58.6	512
	15-17		11.2				11.2	25.3	43.1			61.1	511
	18-20		16.1				16.1	56.5	80.6			96.4	52
	21-23												
TOTALS			12.6			.1	12.7	49.3	44.7			77.1	2317

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077

BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05		17.5		11.3		28.1	66.3	25.6			81.3	14
	06-08		17.4	.6	10.5		28.1	68.9	25.7			81.0	493
	09-11		16.2	1.2	13.3		29.5	57.8	32.5			77.1	493
	12-14		15.1	1.9	10.9		26.9	49.5	35.8			69.3	449
	15-17		17.8	1.6	9.2		28.1	47.0	39.1			71.2	445
	18-20		17.2	3.4	20.7		41.4	51.7	62.1			69.7	29
	21-23												
TOTALS			16.9	1.5	12.7		30.4	55.9	36.8			73.4	2093

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077

BAUMHOLZER GERMANY AAF

69-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05		15.3	.8	16.9		31.5	66.1	37.1			57.0	124
	06-08		15.8	1.7	17.9		33.5	71.4	32.3			58.0	450
	09-11		17.4	3.7	16.0		35.7	66.2	29.9			54.2	420
	12-14		21.8	.2	14.2		34.9	56.2	36.9			62.4	48
	15-17		21.7	1.0	12.5		33.9	67.9	32.4			65.7	392
	18-20		51.9				51.9	81.5	40.7			96.3	27
	21-23												
TOTALS			24.0	1.2	12.9		36.9	68.2	34.9			87.5	1949

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-4	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	23.6	12.9	3.2	32.3	6.5	9.7	6.5	3.2						61.3	31	2.12	2.12	2.12
FEB	21.4	28.6	10.7	28.0	3.6	10.7								50.0	28	.81	.81	.81
MAR	19.4	16.1	12.4	16.1	9.7	14.5	4.8	8.1						64.5	62	3.38	3.84	2.91
APR	30.0	8.2	8.2	10.0	7.5	21.7	12.5	1.7						61.7	120	5.04	4.19	2.08
MAY	41.9	11.8	4.8	17.7	3.2	8.1	4.8	6.5	1.6					46.5	62	2.88	2.84	1.92
JUN	39.2	11.7	2.5	11.7	10.0	10.0	9.2	3.0	.8					49.2	120	3.06	4.19	2.00
JUL	33.5	6.6	7.5	12.9	7.5	11.8	8.6	3.4	2.2					55.9	93	4.14	5.15	2.85
AUG	41.1	7.8	5.9	13.7	6.5	10.5	7.8	3.6	2.4					51.6	124	3.90	7.42	1.34
SEP	46.7	6.7	3.6	10.0	4.4	10.0	11.1	3.2	2.2					46.7	90	3.40	4.89	.61
OCT	56.5	4.0	4.0	16.1	3.2	8.9	4.8	.8	.8					39.5	124	1.55	3.78	.14
NOV	21.7	1.7		21.7	11.7	28.0	6.7	11.7						75.7	66	4.93	6.23	3.05
DEC																		
ANNUAL	34.5	10.7	5.8	17.0	6.7	12.8	6.5	4.7	.9					54.9	914	3.23		

EXTREME VALUES

14077 BAUMHOLDER GERMANY AAF
STATION STATION NAME

65-70

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

UNW-ETAC FORM 0-00000

EXTREME VALUES

14077 SAUMHOLDBERG GERMANY AAF
STATION STATION NAME

65-70

YEARS

[illegible]

UNAF ETAC FORM 0-7-68 (REV)

DATA PROCESSING DIVISION
USAF AFAC
AIR WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

84077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

67-70
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)			
PRECIP	NONE	TRACE	01	02-03	04-10	11-23	24-30	31-00	1-01-2-50	2-51-5-00	5-01-10-00	10-01-20-00	OVER 20-00			MEAN	GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-21	22-36	37-48	49-60	61-120	OVER 120						
JAN	67.7	9.5	12.9	6.5	3.2									22.6	31	5.0	5.0	5.0	
FEB	75.0	14.2	10.7											10.7	28	.9	.9	.9	
MAR	77.4	19.4	3.2											3.2	31	.1	.1	.1	
APR	68.3	23.0		6.7										6.7	60	1.8	2.6	1.0	
MAY	96.8	3.2														31	TRACE	TRACE	TRACE
JUN	99.2	.8														120	TRACE	TRACE	.0
JUL	100.0															31	.0	.0	.0
AUG	100.0															62	.0	.0	.0
SEP	100.0															30	.0	.0	.0
OCT	100.0															62	.0	.0	.0
NOV																			
DEC																			
ANNUAL	68.3	7.8	8.7	1.8	.8									6.3	486	7.0			

1

SNOWFALL
FROM DAILY OBSERVATIONS:

4320

YEARS

[illegible]

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DATA PROCESSING DIVISION
USAF, HAF
AIR WEATHER SERVICE/HAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

24077 RAUMHOLTER GERMANY AAF
STATION STATION NAME

67070

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

USAF ETAC 1944 0-26-5 FOLD

1 DATA PROCESSING DIVISION
USAF: RTAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

34077 BAUMHOLTER GERMANY AAF
STATION STATION NAME

65, 67-70
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.7		3.2	9.7	19.4									32.9	21			
FEB	75.0		10.7	10.7	1.0	1.0								25.0	56			
MAR	100.0														31			
APR	99.8	6.7													60			
MAY	100.0														31			
JUN	100.0														120			
JUL	100.0														21			
AUG	100.0														62			
SEP	100.0														20			
OCT	100.0														62			
NOV																		
DEC																		
ANNUAL	99.4	6.7	1.0	1.0	1.1	1.1								9.7	534			

EXTREME VALUES

24077 BAUMHOLTER, GERMANY AAF
STATION STATION NAME

65 67570

YEAR:

DAILY SNOW DEPTH IN INCHES

[illegible]

UNAF ETAC FORM 0-10-5 (1962)

EXTREME VALUES

24077 BAUMHOLDER GERMANY ALE
STATION STATION NAME

65, 6739C

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

LEAF STAC FROM 0-200 S 1025

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

C PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1953, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

14077 BAUMHOLDER GERMANY AAF
STATION STATION NAME

70

YEAR:

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

LINEAR BEAC POLYMERIZATION

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077 BAUMHOLDER GERMANY AAF

65-70

ALL WEATHER

CLASS

CONDITION

LL

MONTH

LL

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	1.5	.3								4.5	5.1
NNE	.9	2.8	2.3	.4	.0							6.4	5.4
NE	.4	1.3	1.2	.2	.0							3.1	6.5
ENE	.4	1.3	1.4	.4	.0							3.4	7.0
E	.6	1.8	1.7	.5	.0							4.4	7.0
ESE	.3	.8	.7	.1	.0							2.7	6.4
SE	.2	.6	.3	.1	.0							1.1	6.0
SSE	.2	.7	.6	.1	.0							1.5	6.6
S	.3	1.1	1.5	.5	.1	.0	.0					3.4	8.0
SSW	.6	1.7	2.2	1.6	.4	.1	.0	.0				7.7	9.0
SW	.8	2.6	4.6	2.9	.6	.1	.0	.0				11.7	9.4
WSW	.8	2.8	6.6	3.2	.9	.2	.0	.0	.0			16.4	10.1
W	.5	2.1	4.0	2.1	.3	.1	.0					9.0	9.0
WNW	.4	1.0	1.1	.2	.0	.0						2.7	6.8
NW	.4	.7	.4	.1								1.4	5.7
NNW	.5	.8	.6	.1	.0							1.6	5.7
VARBL	2.3	1.0	.0	.0								3.3	3.0
CALM												15.3	
	10.3	24.9	31.8	14.8	2.3	.5	.1	.0	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

26493

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077 BALMHOLDER GERMANY AAF

66-70

YEARS

NORTH

ALL WEATHER
CLASS

HOURLS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	.9									4.2	5.7
NNE	.8	2.2	1.5	.1								4.6	5.7
NE	.7	1.0	.9	.2								2.7	6.2
ENE	.9	1.6	1.0	.5								3.5	6.2
E	1.6	3.0	2.2	.6								7.4	6.1
ESE	.7	.9	1.2	.1								2.7	5.3
SE	.6	.6	.3	.1								1.4	5.3
SSE	.3	.6	.2									.9	5.3
S	.6	.7	.9	.5								2.5	7.4
SSW	.6	.9	2.8	2.0								6.4	8.9
SW	1.3	3.6	4.8	2.8	.6							13.9	8.4
WSW	.8	3.1	6.6	3.4	.6	.4						14.9	9.6
W	.2	1.3	3.3	1.1								6.7	9.5
WNW	.3	.7	.9	.2								2.2	6.9
NW	.6	.6	.2									1.4	4.6
NNW	1.0	.6	.4									1.9	4.6
VARBL	2.2	.3										2.5	2.5
CALM												21.3	
	14.2	23.1	28.4	11.8	1.1	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1794

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AF
STATION NAME

65-70
YEARS

SE
DIRECTION

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.7	.9								5.9	6.2
NNE	1.1	3.9	2.8	.8	.2							9.9	7.0
NE	.5	2.3	1.8	.3								4.9	6.5
ENE	.3	1.3	2.2	.6	.1							4.8	7.7
E	.4	1.3	1.3	.5								3.5	7.1
ESE	.1	.4	.8	.1								1.5	7.1
SE	.3	.3	.2	.2								1.7	6.4
SSE	.0	.4	.8	.1								1.3	7.3
S	.0	.8	2.0	1.0	.0							3.9	9.3
SSW	.6	1.3	2.0	2.1	.3	.1	.0					7.5	9.8
SW	.5	2.2	3.2	2.8	.6	.3						11.5	9.8
WSW	.3	2.2	3.2	6.9	.9	.0						15.1	10.8
W	.3	2.3	2.7	1.6	.4	.0	.0					7.6	9.1
WNW	.3	1.0	1.0	.3	.0							2.6	6.7
NW	.5	.7	.5									1.6	5.1
NNW	.5	1.2	1.1	.1								2.9	6.1
VARBL	1.8	.3										2.1	2.9
CALM												12.7	
	9.1	24.1	33.2	17.6	2.7	.5	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2103

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 69-70 MONTH ALL

CLASS ALL WEATHER

CONDITION _____

HOURLS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.9	.2								5.1	6.2
NNE	.9	2.5	2.7	.5								6.8	6.6
NE	.4	1.4	1.1	.3								3.2	6.5
ENE	.7	1.5	1.6	.3								4.9	6.5
E	.5	1.5	2.2	.6								4.9	7.3
ESE	.3	.6	.6	.0								1.5	5.3
CE	.1	.7	.5									1.3	6.1
SSE	.3	.9	.5	.0	.0							1.3	6.1
S	.4	1.0	.6	.5	.1	.0						2.5	7.6
SSW	.6	1.2	2.0	1.7	.6	.2						6.3	10.2
SW	.5	1.6	2.8	2.1	.5	.1	.1					9.5	10.5
WSW	.4	2.1	6.6	4.3	.8	.2	.1					16.5	10.3
W	.1	2.6	2.5	2.2	.7	.2						12.4	9.3
WNW	.2	1.7	2.6	.2	.0	.1						4.9	7.7
NW	.2	.9	1.0	.3								2.4	7.3
NNW	.4	.8	.9									2.1	6.2
VARBL	1.1	.7										1.2	3.3
CALM												13.3	
	7.7	29.8	36.0	17.3	2.8	.9	.3					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 80077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH NORTH
ALL WEATHER CLAS LLL
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 37	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	2.1	.6								5.9	6.7
NNE	.6	2.6	2.3	.7								8.3	7.0
NE	.2	1.2	2.0	.4								3.8	7.5
ENE	.1	.8	2.0	.5	.0							3.4	3.5
E	.2	1.3	1.3	.3								3.3	7.7
ESE	.2	.4	.7	.0								1.3	6.9
SE	.0	.4	.2	.1								.7	6.8
SSE	.2	.3	.3	.2								1.4	7.0
S	.4	.8	1.4	.8	.1							3.3	8.3
SSW	.5	1.3	4.0	2.3	.3							8.5	9.5
SW	.7	2.3	4.3	2.9	.9							11.1	9.5
WSW	.8	1.9	6.2	5.2	.9	.0						14.7	12.4
W	.8	2.4	4.9	2.9	.2	.0						11.2	8.9
WNW	.5	2.3	1.3	.4								4.8	6.6
NW	.3	.9	.9	.2								2.3	6.3
NNW	.5	1.4	1.3	.1	.0							3.4	5.5
VARBL	.6	.6										1.2	3.7
CALM												11.2	
	7.2	24.7	26.6	17.8	2.5	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING DIVISION
ETAC/USAF
ASR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

69-70
YEARS

N
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	2.5	.3								4.6	7.4
NNE	.8	2.0	2.6	.4								5.6	6.7
NE	.2	.8	.7	.1								1.8	6.7
ENE	.2	.8	1.1	.4								2.8	7.5
E	.5	1.4	2.2	1.3	.0							5.4	8.2
ESE	.2	.9	2.1	.7								3.3	8.2
SE	.2	.6	.8	.0								1.7	6.7
SSE	.3	1.0	1.2	.2								2.7	6.7
S	.3	1.0	2.1	.7	.2	.0						4.4	8.7
SSW	.7	1.8	4.1	1.4	.2	.0						6.3	9.5
SW	.5	2.3	3.9	3.2	.6	.1						10.8	9.8
WSW	.5	3.2	3.9	4.3	.6	.1	.0	.1				14.9	9.8
W	.8	2.5	3.3	2.5	.3	.2	.0					11.6	9.0
WYW	.4	.9	1.7	.4	.1							3.5	7.5
NW	.3	.6	.3	.2								1.5	5.6
NNW	.4	1.0	1.3	.2								3.1	6.7
VARBL	3.2	1.0										4.2	2.9
CALM												9.7	
	10.2	22.3	37.8	16.4	2.0	.5	.1	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2390

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH ALL
CLIMATE ALL
CLARIFICATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	2.2	.5								4.4	6.4
NNE	1.0	2.7	3.8	1.1	.0							9.6	7.0
NE	.4	1.1	1.8	.2								3.6	7.0
ENE	.4	1.2	1.6	.8								4.0	7.7
E	.5	1.4	2.5	.7								5.6	7.7
ESE	.2	.6	.7									1.5	6.1
SE	.1	.4	.2									.8	5.6
SSE	.2	.6	.5	.0								1.4	6.3
S	.2	.7	1.4	.2								2.6	7.5
SSW	.5	2.0	3.6	.6		.0						6.7	7.5
SW	.8	2.3	3.3	2.7	.1	.0						9.5	8.7
WSW	.6	3.1	8.1	3.9	.3	.1						16.2	9.1
W	.4	2.3	4.1	2.5	.2							9.5	8.9
WNW	.7	.7	1.2	.6								3.2	7.4
NW	.5	1.0	.2	.1								1.9	5.1
NNW	.7	1.0	.5									2.2	4.8
VARBL	2.2	1.9		.1								3.6	3.3
CALM												12.4	
	10.4	25.9	36.0	14.2	.7	.2						10.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2406

DATA PROCESSING DIVISION
ETAC/USAF
ASR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

26077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

LL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.9	1.6	.1								4.4	5.9
NNE	.3	2.7	.8	.0								4.1	5.3
NE	.2	.5	.6	.0								1.6	5.9
ENE	.2	.0	.6	.0								1.7	5.1
E	.5	1.6	1.0	.2								3.5	6.7
ESE	.1	.9	.6	.1								1.7	6.6
SE	.1	.6	.1	.0								.9	5.7
SSE	.2	.3	.3									.2	5.6
S	.3	1.2	1.1	.2								2.5	6.2
SSW	.3	2.3	3.6	1.0	.1							7.7	7.7
SW	1.1	2.7	5.5	2.5	.4	.0	.1					12.3	8.8
WSW	1.2	3.2	6.6	5.2	1.3	.1	.1					17.6	10.1
W	.4	2.9	4.2	2.2	.3	.2	.2					11.0	8.6
WNW	.7	1.7	1.3	.1								3.5	5.8
NW	.6	1.2	.7	.1								2.7	5.7
NNW	.7	1.0	.6	.2								2.3	5.6
VARB	2.9	2.0										4.9	3.3
CALM												16.0	
	11.7	27.8	29.5	12.3	2.3	.3	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2345

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24077 BAUMHOLTER GERMANY AAF

65-70

6

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

LL

MOUSE (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	1.6	.2								4.7	5.3
NNE	.6	2.3	2.2	.1								5.3	6.2
NE	.3	1.3	1.0	.1								2.9	6.2
ENE	.3	1.4	1.1	.1								3.7	6.2
E	.3	1.7	2.1	.3	.1							4.9	7.6
ESE	.3	1.2	.5	.0	.0							2.1	6.2
SE		.6	.3		.0							.9	6.3
SSE	.2	.2	.7									1.3	6.1
S	.4	1.4	1.9	.3	.0							4.7	7.2
SSW	.6	1.9	4.5	1.6	.3							8.7	8.6
SW	.7	3.1	3.7	1.6	.2							9.3	7.9
WSW	.4	2.6	9.1	4.9	.3							17.3	9.6
W	.4	2.7	3.6	1.7	.1				.0			8.3	8.2
WNW	.2	1.3	.6									2.1	5.5
NW	.3	.3	.2	.0								1.3	4.9
NNW	.4	.6	.2	.0								1.4	4.7
VARB	3.2	1.9										3.1	3.2
CALM												16.2	
	10.0	30.0	32.4	11.3	1.1				.0			100.0	6.2

TOTAL NUMBER OF OBSERVATIONS:

2376

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

69070
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	.8	.2								3.3	5.7
NNE	1.0	2.3	1.5	.1								5.1	5.6
NE	.4	1.3	.7	.1								2.7	5.9
ENE	.4	1.9	1.2	.0								3.4	6.3
E	.3	1.9	2.1	.2								4.7	6.7
ESE	.2	1.1	.7	.2								2.1	6.7
SE	.2	.7	.2	.1								1.2	6.3
SSE	.1	.9	.9	.2								2.1	7.2
S	.7	1.7	2.3	.7	.2		.1					6.7	8.1
SSW	.7	2.0	3.6	2.5	.4	.0						9.7	9.2
SW	1.0	3.3	5.4	2.9	.3							12.9	8.4
WSW	.6	3.3	7.3	4.8	.4	.0						16.8	9.4
W	.4	1.4	3.1	2.1	.1							7.7	9.2
WNW	.3	.4	.2	.0								1.7	5.3
NW	.3	.4		.0								.7	4.2
NNW	.4	.3	.0									.7	3.6
VARB	2.1	1.0										3.1	3.1
CALM												18.3	
	10.1	25.3	30.3	16.2	1.4	.1	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2275

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
 24077

STATION NAME
 BAUMHOLTER GERMANY AAF

YEARS
 65-70

CT

MONTH

ALL WEATHER

CLASS

LL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	.8	.0								2.9	5.2
NNE	1.1	2.0	1.7	.2								5.7	6.0
NE	.6	1.4	1.5	.3	.0							3.7	4.6
ENE	.8	1.7	2.3	.3	.0							4.1	4.9
E	1.3	2.6	1.0	.0								5.7	5.1
ESE	.4	1.3	.5	.0								2.3	3.6
SE	.3	.7	.2									1.2	4.9
SSE	.3	.8	.9	.0								2.7	6.4
S	.4	1.2	1.6	.6	.1							4.7	7.9
SSW	.9	1.9	3.3	1.3	.2							7.8	8.2
SW	.9	3.1	4.9	2.2	.5	.2						11.7	9.8
WSW	1.0	3.3	4.6	4.1	.4	.0	.2					13.7	9.8
W	.6	1.3	3.8	1.9	.3	.0	.0					7.7	9.3
WNW	.3	.5	.5	.1								1.8	6.2
NW	.2	.4	.2									.8	5.7
NNW	.4	.4	.1	.1								1.1	5.2
VARBL	2.5	.3										2.8	2.4
CALM												20.0	
	19.1	24.0	27.5	19.4	1.6	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2318

DATA PROCESSING DIVISION
ETAC/USAF
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

TV
NORTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.6	1.1	.4								4.9	5.7
NNE	1.1	3.3	1.8	.4								6.5	6.1
NE	.4	1.8	1.7	.0								4.1	5.4
ENE	.6	1.2	1.3	.6	.1							4.1	7.7
E	.6	1.3	.6	.9	.0							3.7	7.3
ESE	.3	.8	.3	.0								1.5	5.4
SE	.2	.7	.2	.1								1.2	6.0
SSE	.3	.5	.6	.2	.1							1.7	7.7
S	.2	1.3	1.2	.4	.1	.1	.1					3.4	8.7
SSW	.4	2.0	2.4	1.8	1.1	.2						8.0	10.4
SW	.3	2.6	3.1	4.7	1.9	.3						13.2	11.1
WSW	.4	2.3	6.3	6.3	1.6	.3	.1					17.4	11.2
W	.2	1.1	3.3	1.2	.1							3.9	8.1
WNW		.6	.3									1.0	6.0
NW	.1	.2	.1									.4	4.6
NNW	.2	.3	.0									.3	4.4
VARBL	2.2	.4										2.6	2.3
CALM												17.9	
	8.8	23.2	26.8	17.0	3.1	1.0	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2092

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
84077

STATION NAME
BAUMHOLTER GERMANY AAF

YEARS
65-70

EC
NORTH

ALL WEATHER
CLASS

LL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.5	.1								1.3	3.5
NNE	1.1	2.9	1.8	.2								6.1	5.7
NE	.7	1.6	.5									2.8	4.9
ENE	.6	1.9	1.2	.2								3.9	5.0
E	.8	2.4	1.6	.1								4.4	5.9
ESE	.6	1.1	.2									1.9	4.7
SE	.4	.6	.3	.1								1.3	3.7
SSE	.1	.5	.1	.2								.9	6.8
S	.1	1.0	.7	.7	.2							2.5	8.7
SSW	.5	1.2	1.8	1.4	.8	.3	.2	.1				6.3	11.3
SW	.9	2.3	3.1	4.1	1.3	.5	.2	.1				14.4	10.9
WSW	.9	3.2	6.8	3.4	2.4	.9	.1					19.7	11.1
W	.5	1.9	4.5	1.5	.3	.1						8.2	9.9
WNW	.2	.7	.8	.1								1.7	7.1
NW	.2	.5	.2	.1								.9	5.4
NNW	.8	.3	.2	.1								.8	3.6
VARBL	3.8	1.9	.1									5.8	3.1
CALM												15.7	
	12.0	24.7	26.4	14.1	4.9	1.8	.4	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1949

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 66-70 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.4										3.4	5.5
NNE	2.5	2.8	1.7									6.0	4.5
NE		2.8	1.7									1.7	7.0
ENE	1.8	2.5	1.7									5.1	6.2
E	1.8	3.4										4.2	4.6
ESE	1.8	1.7										2.5	3.7
SE			1.8									1.8	9.0
SSE	1.8											1.8	3.0
S	1.8	2.5	1.7	1.8								3.9	5.7
SSW	1.8	3.4	2.5	1.8								7.5	7.0
SW	1.7	2.5	6.8	1.7	1.8							13.6	8.4
WSW	2.5	2.5	8.9	2.5								13.6	7.9
W			1.7	1.8								2.5	11.0
WNW	1.8		1.8									1.7	6.0
NW	1.8											1.8	2.0
NNW	1.8		1.8									1.7	5.5
VARBL	1.8											1.8	2.0
CALM												26.3	
	15.0	28.4	28.4	6.8	1.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 66-70 NORTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.7									2.9	5.1
NNE	1.0	2.6	1.2	.2								4.9	5.7
NE	.7	.5	.5									1.7	4.7
ENE	.7	1.2	1.0									2.9	5.1
E	2.6	2.6	2.9	.2								8.1	5.6
ESE	.7	.5	.5									1.7	4.7
SE	.7	.7										1.5	3.5
SSE	.2	1.2	.2									1.7	3.0
S		.2	.5	.5								1.2	8.6
SSW	1.0	1.2	2.7	2.0								6.8	8.5
SW	2.0	4.6	4.6	2.7	.5							13.9	8.0
WSW	1.2	2.6	7.8	2.7	.5	.5						15.2	9.3
W		.7	2.7	.5								3.9	8.3
WNW	.5	.2	1.0	.2								2.0	7.0
NW	.5	.2										.7	3.3
NNW	1.2											1.2	2.0
VARBL	1.7	.5										2.2	2.7
CALM												27.4	
	15.6	20.3	26.2	9.0	1.0	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 409

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 66-70 NORTH 0900-1100
 CLASS ALL WEATHER
 HOURS (L S T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.9	.2									3.7	4.1
NNE	.5	1.9	2.1									4.4	5.4
NE	.7	1.6	.5									2.8	5.1
ENE	.9	1.2	.9	.2								3.3	5.9
E	1.6	3.5	2.3	.5								7.7	6.2
ESE	.7	1.4	1.9	.2								4.2	6.4
SE		.5	.5									.9	7.9
SSE	.5											.5	2.5
S	.2	.2	.7									1.2	6.4
SSW	.7	.7	3.0	3.3								7.7	9.5
SW	1.6	6.9	6.9	3.5	.9							15.6	8.4
WSW	.2	6.0	7.2	4.7	.2	.7						17.0	9.7
W	.2	1.6	2.6	.5								4.9	7.2
WNW		1.2	.9									2.1	6.5
NW	.2	.5										.7	4.7
NNW	.9		.2									1.2	3.4
VARBL	2.1											2.1	2.1
CALM												20.0	
	12.6	26.9	28.0	12.8	1.2	.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9A077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 66-70 MONTH 12

CLASS ALL WEATHER HOURS (LST) 1200-1400

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	1.6									4.7	5.7
NNE	.2	1.4	1.2									2.2	6.4
NE	.5	.5	.9	.7								2.6	8.0
ENE	.2	1.4	1.4	.9								4.0	7.7
E	1.9	3.7	2.1	1.2								8.9	6.3
ESE	.9	.2	1.9									3.0	6.2
SE	.9	.7	.2									1.9	4.1
SSE	.2		.2									.5	6.5
S	.5	.2	1.2	.9								2.8	8.8
SSW	.2	.2	2.8	2.1								5.4	10.1
SW	.5	1.9	5.8	2.5	.7							12.4	9.6
WSW	.5	4.0	5.6	3.3	1.4	.5						15.2	10.3
W	.7	1.9	5.8	.9								9.3	3.2
WNW	.7		1.2	.5								2.3	7.1
NW	.9	1.2	.7									2.8	4.3
NNW	1.4	1.2	.7									3.3	4.7
VARBL	2.6	.2										2.8	2.6
CALM												15.6	
	14.0	20.5	33.3	14.0	2.1	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION
RTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 BAUMHOLDER GERMANY AAF STATION NAME 66-70 YEARS 1967-1968 MONTH 12
 ALL WEATHER CLASS 1600-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	1.6									3.2	3.2
NNE	1.3	2.9	1.6									5.2	5.2
NE	1.1	1.1	1.3	.3								3.7	6.4
ENE	1.8	1.8	.3	.8								4.7	5.6
E	.8	2.4	2.1	.5								5.0	5.4
ESE	.5	1.3	.8									2.6	5.5
SE	.3	.5	.5	.3								1.6	6.3
SSE		.5	.5									1.1	7.2
S	.5	1.3	1.3	.5								3.9	6.9
SSW	.5	.8	2.9	1.1								5.3	8.2
SW	1.6	3.7	3.7	1.8								10.8	7.3
WSW	1.1	2.1	4.1	3.4	.3							12.9	3.9
W		1.6	2.6	2.9								7.1	9.9
WNW		1.6	.5									2.1	4.0
NW	.5	.8	.3									1.6	5.2
NNW	.5	.8	.8									2.1	5.5
VARBL	2.9	.5										3.4	2.5
CALM												20.5	
	14.7	26.1	26.8	11.6	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 380

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077 STATION BAUMHOLDER GERMANY AAF 66 YEARS MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	10.3										13.9	4.2
NNE		3.4										3.4	5.0
NE	3.4	6.9	6.9									17.2	6.4
ENE			3.4	3.4								6.9	12.0
E				3.4								3.4	12.0
ESE													
SE													
SSE													
S	3.4	3.4										6.9	4.5
SSW		3.4	3.4									6.9	7.0
SW													
WSW			6.9									6.9	10.0
W													
WNW			3.4	3.4								6.9	10.5
NW													
NNW													
VARBL													
CALM												27.6	
	10.3	27.6	24.1	10.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 0200-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	AVER WIND SPEED
N			2.0									2.0	3.0
NNE	3.9	5.2	3.3									12.4	5.1
NE	.7	2.6	1.3									4.6	3.9
ENE		.7	2.0									2.6	6.3
E	1.3	.7	.7									2.6	4.3
ESE		.7	.7									1.3	7.0
SE													
SSE													
S		1.3	1.3		.7							3.3	9.4
SSW		2.0	2.6	.7	.7							5.9	9.0
SW	2.0	2.6	3.9	2.6	.7							13.7	8.7
WSW	.7	2.9	6.3	6.6	2.0							17.6	9.6
W		2.0	2.6	1.3	.7							6.3	12.0
WNW		1.3										1.3	5.0
NW		.7	.7									1.3	7.0
NNW	.7		.7	.7								2.0	8.0
VARBL													
CALM												22.9	
	9.2	23.5	30.1	9.8	6.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 153

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

65-70 YEARS

FEH MONTH

ALL WEATHER CLASS

240-3 HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.6	.2								3.4	5.2
NNE	1.4	4.1	3.9	.6	.2							10.3	6.8
NE	.8	3.1	1.2									5.2	5.3
ENE	.6	2.5	1.0									3.9	5.5
E	.2	.4	1.0	.4								2.1	7.8
ESE	.2	.2	1.0									1.4	7.6
SE	.4		.2									.6	5.7
SSE		.2	.8									1.0	9.0
S		.2	2.7	.4								3.3	9.2
SSW	.6	1.0	3.9	1.4								7.0	8.7
SW	.6	3.9	4.2	2.3	.8	.4						14.3	9.7
WSW	.8	2.5	4.3	4.5	.8	.2						13.2	10.1
W	.4	1.0	2.1	1.2	.4		.2					5.4	10.7
WNW	.2	.6	1.2	.2								2.3	7.2
NW	.2	.4	.8									1.4	6.7
NNW	.2	1.0	.6									1.9	6.4
VARBL	1.4											1.4	2.1
CALM												21.7	
	8.3	22.7	31.0	11.4	2.3	.4	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

484

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH FEB
CLASS ALL WEATHER HOURS (LST) 1900-1300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	2.5	.6								7.6	5.9
NNE	1.0	4.5	5.1	1.0								11.7	6.2
NE	.6	1.6	2.1	.6								4.9	6.3
ENE	.4	1.2	2.9	.2	.2							4.9	7.7
E	.2	1.6	1.0	.4								3.2	7.7
ESE		.2	.8	.4								1.4	9.1
SE	.2	.8	.2									1.2	4.3
SSE		.2	.8	.2								1.2	8.3
S		1.0	2.1	1.9								4.9	9.5
SSW	.4	1.4	1.9	2.9	.2							6.8	9.7
SW	.6	2.5	5.8	2.7	.2	.6						12.3	9.0
WSW	.2	2.1	5.6	6.0	1.0							14.8	11.2
W	.2	1.6	2.3	2.7								7.3	9.0
WNW	.4	.4	.8	.4								2.1	7.2
NW	.6	.2	.6									1.4	3.1
NNW	.8	.8	.8	.2								2.7	5.8
VARBL	1.4	.2										1.6	3.7
CALM												9.1	
	9.1	23.3	26.2	20.2	1.6	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 466

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36077 STATION NAME BAUMHOLDER GERMANY AAF 65-70 17485 MONTH FEB 1200-1400 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	2.7	1.1								8.4	6.7
NNE	.6	2.2	2.5	1.1	.2							7.5	7.5
NE	.2	2.3	2.3	.2								5.1	7.3
ENE	.2	.4	2.7	1.3								4.5	8.7
E	.4	1.7	2.7	.8								5.7	8.0
ESE	.4	.8	.8									2.1	5.5
SE	.2	.2	.2	.4								1.1	3.0
SSE	.2	1.1	.4									1.7	5.5
S		1.1	1.7	.8								3.6	9.1
SSW	.6	1.1	2.7	3.0	.6	.2	.2					8.4	11.1
SW		.6	4.6	3.6	.6	.2						9.9	11.4
WSW		1.3	3.3	9.1	.8							16.7	11.6
W	.4	2.7	3.2	1.9		.2						8.4	8.7
WNW	.2	1.8	1.1	.4	.2							3.4	7.2
NW	.4	.4	.2									1.1	4.4
NNW	.4	1.1	1.9									3.4	6.6
VARBL	3.0	.4										3.4	3.0
CALM												5.7	
	8.6	23.2	35.4	23.6	2.5	.6	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 474

DATA PROCESSING DIVISION
 RTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.1	1.8	.7								4.9	6.4
NNE	.4	2.5	4.0	.9	.7							9.5	8.1
NE	.4	2.2	1.8	.7								5.1	6.0
ENE	.2	1.8	1.8	1.1	.2							4.9	8.4
E	.4	1.3	.9	.4								3.1	5.5
ESE		.4	.7									1.1	6.6
SE	.4	.4	.2	.2								1.3	8.8
SSE		.4	1.2	.2								2.7	7.9
S	.2	.9	1.5	1.2								4.8	9.5
SSW	.7	1.9	3.1	1.2	.4	.2						7.3	9.5
SW	.2	1.5	4.2	2.4	.9							9.3	10.2
WSW		2.7	5.5	7.2	.4							15.9	12.5
W	.9	4.2	2.2	.9	1.2							9.5	8.7
WNW	.4	1.8	.9	.2								3.3	5.7
NW	.7	1.5	.2									2.4	4.5
NNW	.7	2.0	1.1									3.8	5.4
VARBL	2.2	.9										3.1	3.1
CALM												9.5	
	9.3	28.1	31.2	17.7	4.0	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

452

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 65-66 MONTH FEB

CLASS ALL WEATHER HOURS (LST) 1500-2100

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8		1.8								5.4	7.3
NNE		3.6	1.8									5.4	6.0
NE													
ENE	1.8		3.4									7.1	7.0
E	1.8	3.6										5.4	4.0
ESE													
SE				1.8								1.8	16.0
SSE													
S			3.6									3.6	9.0
SSW	1.8	1.8	7.1	5.4								16.1	8.8
SW		3.6	1.8	5.4								10.7	9.3
WSW			1.8	3.6								5.4	11.3
W	1.8		1.8									3.6	5.3
WNW			1.8									1.8	8.0
NW	1.8	1.8										3.6	3.0
NNW		3.6	1.8									5.4	7.0
VARBL													
CALM												25.0	
	10.7	19.0	36.8	17.9								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 56

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 12

ALL WEATHER

30-05-70
MOJRS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.0	1.2									4.2	5.3
NNE	.6	3.6	1.8	.6								6.7	6.5
NE		.6	.6									1.2	7.0
ENE	1.2	1.8										3.0	4.0
E	.6	.6	.6	.6								2.4	7.3
ESE	.6		.6									1.2	5.0
SE		1.2	.6									1.8	6.7
SSE	.6											.6	2.0
S	1.2	1.2										2.4	3.3
SSW	2.4	4.2	3.6	1.2								11.8	6.6
SW	.6	1.8	3.6	.6	.6							7.3	8.8
WSW		4.2	6.7	5.5			.6					17.0	10.3
W		2.4	1.8	1.2		.6						6.1	10.1
WNW		1.8	1.2									3.0	6.0
NW			.6	.6								1.2	12.5
NNW	.6											.6	3.0
VARBL	3.0											3.0	2.6
CALM												26.7	
	11.5	26.7	23.0	10.3	.6	.6	.6					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 165

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

42
MONTH

ALL WEATHER
CLASS

6600-06.0
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.9	1.6									5.1	5.6
NNE	1.2	2.5	2.1									5.8	5.7
NE	.2	2.1	1.2	.4								3.9	6.5
ENE	.6	.6	.4	.2								1.7	6.1
E	.8	.6	1.4	.4								3.1	6.9
ESE	.4		.6									1.0	5.6
SE													
SSE	.2		.4									.6	5.7
S	.2	.4	.2	1.0								1.9	5.7
SSW	1.2	1.7	2.1	1.2	.2	.2						6.6	8.1
SW	1.0	2.9	4.1	3.9	.4	.2						12.2	9.6
WSW	.6	2.7	7.4	3.2	.6	.4						16.9	10.0
W	.2	2.7	3.5	1.0	.2							7.6	7.7
WNW	.4	1.6	1.4									3.3	6.1
NW	.2	.8	1.0	.4								2.3	7.3
NNW	1.0	.6	.4									1.9	4.0
VARBL	1.0	1.0										1.9	3.3
CALM												24.2	
	9.5	23.3	27.5	13.6	1.4	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

516

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 38077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 12
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	2.5	.4								5.7	6.4
NNE	1.2	2.1	3.1	.8								7.2	6.9
NE	.4	1.4	1.4									3.1	6.1
ENE	1.4	.8	1.9	.2								4.3	6.3
E	.6	1.9	3.1	.8								6.4	7.5
ESE		.8	.6									1.4	5.0
SE		.4	1.0									1.4	7.6
SSE	.4	.2	.4									1.0	3.4
S	.4	.2	.4	.2	.2	.2						1.6	11.1
SSW	.4	1.2	1.9	1.9	1.2	.2						6.3	11.3
SW	.6	1.4	4.2	3.3		.2						12.1	10.3
WSW	.2	2.1	6.2	6.8	.8	.2						16.4	11.0
W		1.4	6.0	4.1	.4	.2						12.1	10.4
WNW	.6	1.8	2.3	.2	.2							5.1	7.2
NW	.2	.8	.6	.2								1.8	6.8
NNW	.4	.6	.8									1.6	6.5
VARBL	1.0	1.0										1.9	3.7
CALM												10.3	
	7.8	20.7	26.6	20.9	2.7	1.0						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

25
MONTH

ALL WEATHER
CLAR

120-1400
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.7	.4								4.5	6.7
NNE	.2	2.9	2.5	.4								7.1	7.1
NE	.2	.6	.6	.4								1.9	7.1
ENE	.6	2.5	2.7									5.6	6.3
E		2.5	2.3	1.2								6.1	7.7
ESE	.2	1.7	.8									2.7	5.6
SE		1.2										1.2	5.0
SSE		.6	.6									1.2	7.2
S	.6	1.2	1.0	.6								3.5	6.7
SSW		.4	2.5	2.3	.6	.2						6.0	11.6
SW	.2	1.2	2.1	2.7	1.4	.2	.6					9.5	12.3
WSW	.4	.8	1.5	6.6	1.4	.4						17.2	11.5
W		2.1	5.8	5.0	1.4	.2						14.5	10.9
WNW		1.4	2.7	.6		.4						6.2	9.4
NW	.2	.8	1.4	.2								2.7	7.4
NNW		1.7	1.4									3.1	6.9
VARBL	.8	.4										1.2	3.2
CALM												5.6	
	4.3	23.8	38.7	20.5	5.0	1.4	.6					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

483

DATA PROCESSING DIVISION
RTAC/USAF
ASR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHÖLDER GERMANY AAF
STATION NAME

65-70
YEARS

04
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.2	.2								4.3	6.6
NNE	.2	2.2	2.6	.4								5.4	7.3
NE	.9	1.5	1.3	.6								4.2	5.6
ENE	.2	2.2	1.9	.9								5.2	7.6
E	.9	1.3	2.8	.2								5.2	6.7
ESE	.2	.2	.4	.2								1.1	7.2
SE	.6	.9	.9									2.4	5.5
SSE	.4	3.0	.9	.2	.2							4.3	6.4
S		1.9	.6		.2							2.8	6.9
SSW	.2	.6	.6	1.5	.9	.4						4.3	13.5
SW		.4	4.1	1.7	.4							6.7	10.3
WSW	.6	1.9	5.8	6.9	.6		.4					16.5	11.0
W	.4	3.9	7.6	4.3	1.1							17.3	9.6
WNW		1.9	3.3	.2								5.6	7.9
NW	.2	1.7	1.3	.2								3.5	6.9
NNW		.9	1.3									2.2	7.3
VARBL	1.3	.6										1.9	3.2
CALM												6.5	
	6.7	20.8	37.9	17.7	3.5	.4	.4					100.2	8.1

TOTAL NUMBER OF OBSERVATIONS

462

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36077
STATION

BAUMHOLDR GERMANY AAF
STATION NAME

65-66
YEARS

MONTH

ALL WEATHER
CLASS

187-200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.2	1.6									6.3	6.0
NNE	6.5			1.6								8.1	4.4
NE	1.6	1.6	1.6									4.9	5.3
ENE			1.6									1.5	0.0
E		1.6										1.2	4.0
ESE	1.6											1.5	3.0
SE		3.2										3.2	6.0
SSE	1.6	1.6										3.2	4.0
S			3.2	1.6								4.6	11.7
SSW			1.6	1.6								3.2	9.5
SW			1.6									1.6	10.0
WSW		1.6	3.2	4.8								9.7	10.8
W		6.5	9.7			1.6						17.7	8.7
WNW		1.6	3.2									4.8	7.0
NW													
NNW	1.6	1.6	1.6									4.8	6.0
VARBL													
CALM												22.6	
	16.5	22.6	29.0	9.7		1.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

2300-0300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	1.8									5.3	5.3
NNE		4.7	3.6									8.3	6.3
NE	.6		.6									1.2	5.0
ENE		.6	.6									1.2	7.4
E													
ESE													
SE		.6										.5	6.0
SSE	1.2	.6										1.2	3.7
S	1.2	1.2										2.4	3.3
SSW	.6	3.6	2.4									8.3	5.6
SW	4.1	1.8	4.7	.6	.6							11.8	6.8
WSW	1.2	3.6	4.7	2.4	.6							12.4	8.6
W	1.2	.6	2.4	1.8	.6							6.3	9.0
WNW	.6	1.8										2.4	4.5
NW	.6	1.8										2.4	3.8
NNW	.6	1.2	.6									2.4	5.5
VARBL													
CALM												33.1	
	12.0	26.0	21.2	4.7	1.8							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 169

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24077 STATION BAUMHOLTER GERMANY AAF STATION NAME 05-70 YEARS MONTH 10-1960-09-30 HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	1.0	.6								4.3	5.1
NNE	1.4	3.8	3.1	.6								17.5	5.1
NE	.2	1.9	1.0	.3								3.3	5.5
ENE		.6	.6	.6								1.7	9.9
E	.2	1.4	.4									1.9	5.4
ESE	.2	.2	.2									.6	5.3
SE	.2	.4										.6	4.2
SSE	.2		.6									.6	8.3
S	.2	.2	1.2	.4								1.9	8.6
SSW	1.2	1.7	3.1	1.2								7.1	7.6
SW	1.2	3.2	3.0	1.5	.6							13.5	7.6
WSW	1.4	2.1	3.3	4.4	1.0							17.2	9.8
W	.8	1.9	2.1	1.7								6.6	7.8
WNW	.6	1.5	.6									2.7	5.0
NW	.6	.4	.8									1.7	5.4
NNW	.8	.6	1.2									2.5	3.7
VARBL	.4	.2										.6	3.3
CALM												21.8	
	10.0	26.6	29.0	11.0	1.5							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 318

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34977 BAUMHOLTER GERMANY AAF

65-70

24

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1970-11

CLASS

HOURLY (LST)

COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.7	1.9	.6								5.4	7.1
NNE	.8	2.3	3.5	.6								8.1	7.1
NE	.2	1.2	4.2	.6								6.2	7.9
ENE	.2		2.1	.6								2.9	8.9
E	.2	1.7	1.7	1.0								4.6	8.3
ESE	.2	1.0	1.3									2.5	6.5
SE		.8	.4									1.2	6.7
SSE	.2	.4	.4	.2								1.2	6.8
S	.2	1.2	2.3	1.5								5.2	8.9
SSW	.2	1.2	3.6	3.1	.2							10.6	10.1
SW	.4	2.5	4.2	3.7	1.3							12.1	10.4
WSW	.4	1.0	6.9	3.6	.4							14.3	10.5
W	.8	1.9	5.0	2.7	.2	.2						10.8	9.3
WNW	.4	1.7	1.5	.4								4.0	6.9
NW		1.3	.8	.4								2.5	7.4
NNW	.2	1.2	1.2									2.5	6.2
VARBL	.8	.4										1.2	3.3
CALM												4.8	
	5.2	23.7	43.2	20.8	2.1	.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

519

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

63-70
YEARS

20
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	2.2	.4								5.1	7.1
NNE		2.0	2.2	1.0								6.2	8.2
NE	.2	1.4	1.8	.2								3.5	7.5
ENE	.4	2.4	2.8	1.0	.2							5.2	8.7
E	.4	1.4	1.4	.8								4.1	6.1
ESE	.4		.8									1.2	6.0
SE		.2	.4	.4								1.1	9.2
SSE		.8	.6									1.4	7.0
S	.6	1.2	1.8	1.0	.4							4.3	8.7
SSW	.4	.2	2.0	2.6	.2							7.4	11.1
SW		1.2	4.2	2.0	1.4							11.2	11.8
WSW	.2	1.8	2.2	6.8	1.6							15.7	11.7
W	1.0	2.6	2.2	2.6	.6							13.2	9.1
WNW	.2	2.0	2.2	1.0								5.1	11.1
NW	.2	.2	1.0	.6								2.1	11.1
NNW	.8	2.0	1.2	.2	.2							6.2	11.1
VARBL	1.0	1.2										4.1	11.1
CALM												1.1	11.1
	4.6	20.9	28.0	25.7	4.6							100.0	

TOTAL NUMBER OF OBSERVATIONS 498

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

22
MONTH

ALL WEATHER
CLASS

150-170
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 1	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.9	.8								7.7	5.9
NNE	.6	3.3	3.6	.8								8.4	7.1
NE	.2	.8	1.0	.8								2.9	3.2
ENE		1.3	3.1									4.4	7.5
E		1.0	2.5	.4								4.2	5.1
ESE		.4	.8	.2								1.5	3.4
SE		.2										.2	5.0
SSE		.8	.6	.6								2.1	7.6
S		.6	.8	.6								2.1	8.4
SSW	.4	.8	4.4	2.2	.6							8.4	10.1
SW		.6	4.0	2.2	.4							7.3	10.2
WSW		2.3	5.2	5.4	.6	.2						13.8	10.7
W	.4	3.6	8.4	4.2								16.5	9.0
WNW	.6	3.6	2.5	.6								7.3	6.9
NW	.4	1.3	1.3									2.9	5.1
NNW	.4	1.7	1.9	.4								4.4	7.0
VARBL	.4	1.0										1.5	4.0
CALM												4.6	
	5.0	25.9	49.1	19.5	1.7	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 478

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
24077

STATION NAME
BAUMHOLDER GERMANY AAF

YEARS
65-66

MONTH
10

CLASS
ALL WEATHER

HOURLS (LST)
1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3		1.7								6.7	3.5
NNE			3.3	1.7								5.0	3.7
NE			3.3									3.3	7.0
ENE		1.7										1.7	4.0
E		3.3										3.3	5.0
ESE													
SE													
SSE		1.7	1.7									3.3	6.3
S	1.7	1.7	1.7									5.0	6.3
SSW		3.3	6.7	1.7	1.7							13.3	9.5
SW			1.7	1.7								3.3	11.5
WSW			1.7		1.7							3.3	14.0
W		5.0	3.3									8.3	6.6
WNW	3.3	6.7										10.0	4.5
NW		1.7	1.7									3.3	6.5
NNW		3.0	1.7									6.7	6.5
VARBL													
CALM												23.3	
	6.7	22.3	26.7	6.7	3.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION
 WTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70
 ALL WEATHER
 CLOUDS
 CONDITION
 SY NORTH
 0300-0500
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.6									2.2	5.3
NNE	2.2	1.7	1.7									5.6	5.1
NE	1.1	1.1										2.2	3.4
ENE	.6	.6										1.1	4.5
E	.6											.6	2.7
ESE		.6										.6	5.7
SE		.6										.6	4.7
SSE													
S	.6	.6	.6									1.7	5.3
SSW	.6	2.2	1.1	1.1	.6							5.6	8.2
SW	1.7	6.2	4.3	1.7								14.7	7.2
WSW	1.1	5.6	5.1	.6	.6							12.9	7.7
W	1.1	1.1	1.1	.6	.6							4.3	8.7
WNW		.6	.6									1.1	7.5
NW		.6										.6	4.7
NNW	1.1	1.1	1.1									3.4	3.5
VARBL	1.7											1.7	2.7
CALM												41.6	
	12.9	22.6	16.3	3.9	1.7							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 178

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

06077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

06 0-06
GORTH
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.1	1.3	.2								4.1	6.4
NNE	1.1	3.7	2.1	.6								7.5	6.7
NE	.2	.9	.7									1.9	5.2
ENE	.2	.7	1.1									2.1	5.5
E	.4	2.1	.6	.2								3.2	5.6
ESE		.7	.9	.2								1.9	7.5
SE	.4	.6	.2									1.1	5.7
SSE		.7	.4									1.1	5.8
S		1.3	2.1	.6								4.1	7.3
SSW	1.7	2.1	3.9	1.3								9.7	7.2
SW	1.1	2.8	3.0	3.0	.2							12.1	7.4
WSW	.6	3.2	6.4	3.6	.6	.2						16.4	8.9
W	1.1	1.9	3.9	1.1								8.0	7.3
WNW	.7	.7	.6									2.1	5.3
NW	.9	.4	.2	.2								1.7	4.6
NNW		.6	.7	.4								1.7	7.8
VARBL	1.7	.4										2.1	3.3
CALM												20.0	
	10.7	27.1	30.1	11.2	.7	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 535

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEAR 65-70 MONTH 7-11
CLASS ALL WEATHER HOURS (LST) 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	2.1	.6								5.1	2.1
NNE	.4	.9	2.6	.4								4.3	7.4
NE	.2	.9	.6									1.7	5.2
ENE	.2	.4	2.0	.7								3.3	2.6
E	.6	1.3	2.4	1.5								5.7	8.4
ESE		.4	2.1	.9								4.4	9.1
SE	.2	1.3	1.5									3.1	5.6
SSE		.7	2.2	.6								3.5	3.6
S	.6	1.1	2.0	.6								4.3	7.7
SSW	.6	1.3	4.6	2.4	.2							9.3	9.5
SW	.4	1.1	5.6	5.0	.6	.2						12.3	10.2
WSW	.6	2.6	7.2	5.4	.2		.2	.4				16.3	10.4
W	.9	2.9	4.4	1.7	.2							10.6	7.9
WNW	.6	.6	2.0	.6								3.7	7.1
NW	.4	.7		.2								1.3	5.6
NNW	.6	.7	2.0	.2								3.5	7.3
VARBL	4.1	.9										5.0	2.7
CALM												2.4	
	10.4	19.3	48.6	20.6	1.1	.2	.2	.4				100.1	8.3

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077 BAUMHOLTER GERMANY AAF

65-70

°V

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

1200-1400

HOURLS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.6									4.1	7.4
NNE	.4	1.3	1.9	.4								3.9	7.3
NE		.4	1.3	.4								2.7	8.9
ENE	.2	.9	1.1	.6								2.8	7.7
E	.4	1.1	1.7	3.0	.2							6.3	9.9
ESE	.2	1.9	2.0	.9								5.0	8.1
SE	.2	.2	1.1	.2								1.7	8.2
SSE	.7	2.2	2.0									5.0	6.0
S		.9	2.6	.6								4.1	8.5
SSW		2.2	3.4	1.5	.4	.2						9.7	9.1
SW	.2	2.2	3.0	3.7	1.3							10.4	10.9
WSW	.4	2.0	3.0	7.1	.4	.2						15.1	10.9
W	.7	2.2	3.4	4.5	.6	.7						14.1	10.4
WNW	.2	.9	2.2	.6	.2							4.1	8.2
NW	.4	.4	.4	.2								1.3	6.0
NNW	.2	.9	1.5	.2								2.8	6.9
VARBL	4.1	1.3										5.6	2.9
CALM												2.0	
	8.0	22.5	39.2	23.6	3.0	1.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

539

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

69-70
YEARS

AY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	3.0	.7								5.7	3.3
NNE	.7	1.9	3.0	.6								6.1	7.0
NE	.2	.7	.4	.2								1.8	6.5
ENE	.2	.7	.7	.4								2.0	7.5
E	.7	1.5	4.7	1.1								8.7	8.1
ESE	.7	.7	2.2	.9								4.7	3.0
SE		.6	.9									1.5	7.1
SSE	.7	.6	.7	.2								2.2	5.0
S	.6	.9	2.2	1.3	.7	.2						6.7	10.3
SSW	.7	.9	3.9	.6	.2							6.3	8.1
SW	.2	2.0	2.0	2.4	.4	.4						7.4	10.6
WSW	.4	2.8	5.0	3.0	1.1							12.3	9.9
W	.6	3.0	8.9	3.7	.4	.2	.2					16.9	9.4
WNW	.2	1.7	2.4	.6	.2							5.0	7.9
NW	.4	.6	.6									1.8	5.6
NNW	.7	1.7	1.5									3.9	5.8
VARBL	4.1	1.5										5.6	3.0
CALM												3.9	
	11.4	22.9	42.3	15.6	3.0	.7	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

537

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-66
CLASS ALL WEATHER
CONDITION
MONTH 1800-2000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		6.5	6.5									12.9	5.5
NNE		3.2	6.5									9.7	7.2
NE													
ENE		3.2										3.2	5.0
E		3.2	3.2									6.5	7.3
ESE			6.5									6.5	8.0
SE	1.6											1.6	3.0
SSE		1.6										1.6	3.0
S			1.6		1.6							3.2	15.0
SSW		3.2	1.6	1.6								6.5	9.0
SW		1.6	3.2		1.6							6.5	10.0
WSW		4.8	9.7		1.6							16.1	8.8
W		1.6	3.2									4.8	8.7
WNW			1.6	1.6								3.2	9.5
NW		3.2		1.6								4.8	8.7
NNW		1.6	3.2									4.8	7.3
VARBL													
CALM												8.1	
	1.6	22.9	46.8	4.8	4.8							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION
STAC/USAF
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 70 NORTH 000-02
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	33.3											33.3	2.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												66.7	
	33.3											100.0	.7

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
ETAC/USAF
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

26077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

ALL WEATHER
CLASS

CONDITION

300-15
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.2	2.2									3.2	5.0
NNE	1.7	3.9	2.8	.6								8.1	6.1
NE	2.2	1.7	.6									4.4	4.1
ENE	.6	1.1		.6								2.2	5.2
E		.6										.6	5.0
ESE													
SE													
SSE			.6									.6	5.0
S													
SSW	.6	1.7	1.7									3.9	5.7
SW	1.7	4.4	2.2	1.7								9.9	6.3
WSW	2.2	3.9	1.7	1.1								12.2	5.7
W	1.1		1.7	1.1								3.9	3.4
WNW			1.1									1.1	3.5
NW	.6	.6										1.1	4.0
NNW	.6	.6	.6									1.7	5.7
VARBL	1.1											1.1	2.0
CALM												43.6	
	12.7	19.9	10.8	5.0								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHÖDER GERMANY AAF
STATION NAME

65-70
YEARS

ALL WEATHER
CLASS

65-70
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.5	3.3									8.3	5.0
NNE	1.9	4.1	4.1	.9								10.9	6.6
NE	.9	1.7	1.3									3.9	5.5
ENE	.6	1.5	1.3	.2								3.5	6.6
E		.7	.9	.2								1.9	7.3
ESE	.2	.6	.2									.7	5.3
SE			.2									.2	9.0
SSE	.2											.2	2.0
S	.2	.7	.2	.4								1.5	6.9
SSW	1.1	1.9	5.0	.9								8.9	7.3
SW	1.9	2.8	3.7	2.0	.2							10.6	7.7
WSW	.4	3.0	7.6	.9	.2	.2						12.4	9.4
W	.4	1.5	2.2	1.3	.2							5.6	8.3
WNW	.7		.9	.6								2.2	8.0
NW	.2	.7	.2	.2								1.3	6.3
NNW	.7	1.1	.6									2.4	4.7
VARBL	2.8	.7										3.3	2.3
CALM												22.0	
	13.5	24.3	31.9	7.6	.6	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 340

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24077 BAUMHOLDER GERMANY AAF

69-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

69-110
HOURS (L & S)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	2.8	1.1								5.9	7.2
NNE	.9	3.3	2.7	1.7								9.6	7.4
NE		.4	3.0	.6								3.9	3.7
ENE	.2	.9	2.0	.9								4.1	3.5
E	.9	2.4	1.9	.7								5.9	5.2
ESE	.6	.6	.7									1.9	5.5
SE	.2	.9	.2									1.3	5.2
SSE		.9	1.3									2.2	6.7
S	.6	.7	2.6									3.9	7.2
SSW	.2	2.0	4.6	.9								7.2	6.2
SW	.9	1.7	3.3	2.8	.2	.2						9.1	9.3
WSW	1.1	3.1	4.9	5.2	.4							16.7	9.1
W	.9	1.9	4.4	4.1								10.7	9.4
WNW	.4	.4	.4	.7								2.0	3.8
NW		1.1	.2	.2								1.3	6.1
NNW	.6	1.1	.9									2.6	3.3
VARBL	2.4	.9		.4								3.7	3.9
CALM												7.2	
	10.2	23.5	39.1	19.3	.6	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

540

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36077 BAUMHOLTER GERMANY AAF

65-70

ALL WEATHER

120-140

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.3	.9								6.4	6.5
NNE	.4	3.1	3.1	1.3								9.7	7.6
NE		.9	2.0	.6								3.4	3.4
ENE	.4	2.0	1.9	1.3								5.6	4.7
E	.6	.7	4.4	1.7								7.4	5.9
ESE		.7	1.1									1.6	6.8
SE	.2	.6	.6									1.3	5.6
SSE		.7	.6									1.3	6.9
S	.2	.7	2.4	.2								3.8	7.6
SSW	.4	2.0	3.1	.2								5.4	7.2
SW	.4	2.2	4.4	3.3								10.6	9.2
WSW	.4	2.6	8.7	6.2	.7	.2						18.9	10.3
W	.2	3.8	4.1	2.6	.7							11.1	9.0
WNW	.6	.9	2.0	.6								4.1	7.2
NW	.6	.6	.6									1.9	4.9
NNW	.6	.6	.4									1.5	3.0
VARBL	2.2	2.0										4.3	3.6
CALM												4.4	
	8.1	25.7	40.9	19.1	1.5	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 34

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUHHOLDER GERMANY AAF
STATION NAME

65-70
YEAR

ALL WEATHER
CLASS

CONDITION

NORTH
14-17
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.3	1.3	.2								.7	5.4
NNE	.7	4.3	4.8	.9	.2							1.9	7.2
NE	.2	1.5	1.3									3.7	6.4
ENE	.4	.4	1.7	1.1								3.5	8.4
E	.6	1.7	3.0	.7								5.9	7.6
ESE	.2	1.1	.9									2.2	6.3
SE	.2	.2	.2									.5	5.1
SSE	.6	.9	.4	.2								2.7	5.2
S		.7	.9	.4								2.7	8.4
SSW	.2	2.0	2.2	.6		.2						5.2	7.3
SW		2.2	2.1	2.8								9.1	9.5
WSW	.2	3.3	3.8	4.6	.2							18.3	9.1
W	.4	3.0	3.7	2.6	.2							11.9	8.7
WNW	1.1	1.3	1.1	.9								4.5	7.0
NW	1.5	1.7	.6									3.3	4.4
NNW	.9	1.1	.4									2.6	4.1
VARIABLE	2.2	3.0										4.2	3.4
CALM												5.7	
	10.2	31.1	37.2	15.0	.6	.2						100.7	7.1

TOTAL NUMBER OF OBSERVATIONS

340

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077 BAUMHOLDER GERMANY AAF 65-66
STATION NAME YEARS
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		8.3	3.3									11.7	5.0
NNE	1.7	1.7	1.7									5.0	4.7
NE			1.7									1.7	4.0
ENE		1.7	1.7									3.3	5.5
E		3.3	6.7									10.0	6.4
ESE													
SE		1.7										1.7	5.0
SSE		1.7										1.7	6.0
S		3.3		1.7								5.0	5.0
SSW	1.7	1.7	3.3									6.7	6.5
SW			1.7	1.7	1.7							5.0	13.7
WSW		3.3	11.7									15.0	7.9
W	1.7	3.3	10.0	1.7								16.7	7.9
WNW	1.7	3.3	5.0									10.0	6.0
NW		3.3										3.3	5.5
NNW													
VARBL													
CALM												3.3	
	6.7	26.7	46.7	3.0	1.7							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLTER, GERMANY AAF YEARS 70 MONTH 2
CLASS ALL WEATHER HOURS (LST) 2400-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
N'E													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												100.0	
												100.0	.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 1

CLASS ALL WEATHER HOURS (LST) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.7									2.7	5.4
NNE		1.7										1.7	4.7
NE													
ENE	.6		.6									1.2	5.5
E													
ESE		.6										.6	6.7
SE	.6											.6	2.7
SSE													
S		.6										.6	4.7
SSW	1.7	4.5	3.4									9.6	5.6
SW	2.8	5.1	2.8	1.7	.6							13.0	7.1
WSW	1.7	4.0	2.3	2.3	.6							10.7	8.1
W		.6	1.1									1.7	7.3
WNW	1.1	1.1										2.3	3.5
NW		1.1	.6									1.7	5.7
NNW													
VARBL	2.3	.6										2.8	2.4
CALM												50.9	
	11.3	20.3	12.6	4.0	1.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077 BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

6-10-69

HOURLS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	2.3	.2								6.6	5.9
NNE	1.1	2.4	.2									3.7	4.5
NE		1.1	.4									1.2	5.6
ENE	.2	.8	.4									1.3	5.4
E	.4	.6	.6									1.5	5.5
ESE		.6	.2									.2	6.3
SE		.4										.4	6.0
SSE	.2		.4									.6	5.3
S	.2	.9	.4	.4								1.9	6.4
SSW	.2	3.0	3.6	.9								7.7	7.4
SW	1.5	4.5	3.3	2.6	.2							14.1	7.8
WSW	1.5	3.4	3.6	3.4	.9							14.9	8.9
W	.6	1.9	1.3	1.1	.2							5.1	7.9
WNW	.8	.6	.9									2.3	5.3
NW	.8	.8	.2									1.7	4.1
NNW	.6	.9	.6									2.1	5.3
VARBL	2.1	.9										3.0	3.0
CALM												30.9	
	11.7	23.2	22.2	8.7	1.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

531

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 20077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.3									3.8	5.7
NNE	.2	2.3	1.1	.2								3.8	6.2
NE		.9	1.1									2.1	6.9
ENE		.8	.2									.9	5.6
E	1.1	2.6	1.9	.6								6.2	6.5
ESE	.2	1.3	1.3	.4								3.2	7.5
SE		.8	.2									.9	5.4
SSE	.2	.6	.4									1.1	5.7
S	.4	1.7	1.9									4.0	6.4
SSW	.4	2.4	4.0	1.3	.2							8.3	9.2
SW	.8	1.3	6.4	2.4	.6	.2	.4					12.1	10.1
WSW	1.3	2.8	6.8	6.6	2.1		.2					19.8	10.7
W	1.5	3.6	3.8	2.8	.2							11.9	8.0
WNW	.2	1.9	.9	.2								3.2	6.0
NW	.8	1.1	1.1	.4								3.4	6.4
NNW	.9	.9	.4									2.3	4.1
VARBL	2.4	2.3										4.7	3.5
CALM												8.5	
	10.9	29.2	32.8	16.9	3.0	.2	.6					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

38077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.7									3.4	6.7
NNE	1.0	2.5	1.0									4.4	5.1
NE	.2	.6	.4	.2								1.3	6.0
ENE	.4	.6	.6	.2								1.7	6.4
E	.4	1.3	2.1	.8								4.6	7.4
ESE	.2	.8	.8									1.7	6.4
SE		.8		.2								1.0	6.4
SSE	.2	.4	.4									1.0	6.0
S		1.9	1.1	.2								3.3	6.1
SSW		2.3	4.4	1.5	.2							8.4	8.9
SW	.6	1.5	6.5	3.3	.4							12.3	9.3
WSW	1.1	3.3	7.7	7.1	1.9	.4	.2					21.5	10.3
W	1.1	2.9	6.5	2.3	.4	.2	.4					13.6	9.1
WNW	.6	1.5	1.5									3.6	5.6
NW	.6	.6	1.1									2.3	6.6
NNW	.8	.4	.4	.4								2.3	6.1
VARBL	4.6	2.5										7.1	3.4
CALM												6.1	
	12.1	25.5	36.2	16.1	2.9	.6	.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

522

DATA PROCESSING DIVISION
ETAC/USAF
AFR WEATHER SERVICE/MAC.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 26077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 65-70 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	1.1									3.9	5.4
NNE	.2	4.0	1.1									5.4	5.5
N-E	.6	.8	.6									1.9	5.2
ENE	.2	1.3	1.3									3.1	5.4
E	.4	1.5	2.3	.2								4.4	6.0
ESE	.2	1.1	.4									1.7	5.2
SE		.8	.4									1.1	5.2
SSE	.2	.4	.2									.8	5.0
S	.6	.8	1.1	.2								2.7	5.4
SSW	1.0	1.5	2.7	.8								5.9	7.2
SW	1.0	2.7	4.8	1.9	.4							10.7	8.5
WSW	.6	2.9	6.1	4.6	1.3							15.5	10.1
W	.8	2.8	5.7	4.0	.8	.8						15.9	9.7
WNW	1.1	2.9	2.5	.6								7.1	6.4
NW	.6	2.5	.4									3.4	5.0
NNW	.8	1.3	.6	.6								3.3	6.8
VARBL	3.1	2.9										5.9	3.5
CALM												7.3	
	11.5	22.7	31.6	12.8	2.5	.8						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

36077 STATION BAUMHOLTER GERMANY AA STATION NAME

65-66 YEARS

ALL WEATHER CLASS

1800-2000 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2		1.6								8.1	5.0
NNE		1.6										1.6	6.0
NE	1.6											1.6	2.0
ENE													
E													
ESE													
SE	1.6	1.6										3.2	4.5
SSE													
S	1.6		1.6									3.2	5.0
SSW	1.6	3.2	1.6									6.5	4.8
SW	1.6	3.2	3.2	1.6								9.7	7.2
WSW	1.6	3.2	14.5	4.8	1.6							25.6	9.5
W	1.6	3.2	9.7									14.5	7.2
WNW	1.6	3.2										4.8	4.3
NW		1.6	1.6	1.6								4.8	8.0
NNW	1.6	3.2										4.8	4.0
VARBL													
CALM												11.3	
	17.7	27.4	32.3	9.7	1.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION
RTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

68
YEARS

003
MONTH

ALL WEATHER
CLASS

000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	33.3	33.3										66.7	4.5
W													
WNW		33.3										33.3	6.0
NW													
NNW													
VARBL													
CALM													
	33.3	66.7										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

3
MONTH

ALL WEATHER
CLASS

3 0-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.1									3.3	5.5
NNE	1.7	1.7	.6									3.9	4.3
NE		1.1	.6									1.7	6.0
ENE		1.7										1.7	4.3
E													
ESE	.6	.6										1.1	3.0
SE		.6										.6	6.0
SSE													
S	.6	1.1	1.1									2.9	6.0
SSW	1.7	1.7	2.2	.6	1.1							7.2	7.9
SW	2.2	2.0	3.3									10.8	5.6
WSW	.6	2.8	3.9	1.7								8.9	7.6
W	.6	3.3	.6									4.4	5.4
WNW	.6	.6										1.1	4.0
NW	.6											.6	3.0
NNW													
VARBL	1.7											1.7	1.7
CALM												50.8	
	11.0	21.5	12.3	2.2	1.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 36077 BAUMHOLDER GERMANY AAF

65-70

4.5

ALL WEATHER

1600-0800
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	1.3	.2								5.8	5.3
NNE	1.3	2.2	1.7									6.1	5.1
NE	.6	1.3	1.1									3.2	5.5
ENE	.4	.2	.4									.9	5.4
E		.4	.2									.6	6.7
ESE		.7	.2									.5	5.2
SE			.2									.2	8.0
SSE	.2		.2									.4	3.0
S	.6	.9	.7	.2								2.4	6.1
SSW	1.3	2.6	4.7	.6	.2							9.3	7.1
SW	1.7	3.6	3.5	.7	.2							11.5	6.5
WSW	1.1	2.6	8.2	2.8								14.7	8.3
W	.4	1.7	2.0	1.1	.2							5.4	7.8
WNW	.2	.7	.4									1.3	4.7
NW	.6	.2										.6	3.3
NNW	.6	.9										1.5	3.6
VARC	3.2	.7										3.9	2.6
CALM												31.3	
	12.0	24.8	26.8	3.6	.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

537

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

1-3
MONTH

ALL WEATHER
CLASS

29-0-110
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	1.7	.4								4.1	5.3
NNE	.4	3.0	3.2	.2								5.7	6.6
NE	.4	1.3	1.7	.2								3.5	7.0
ENE		1.1	.9	.2								2.2	5.3
E	.2	2.4	3.0	.7	.4							6.7	8.2
ESE	.6	1.5	1.1									3.2	6.2
SE		1.3	.2									1.5	5.3
SSE	.4	1.7	.6									2.6	3.9
S	.2	1.1	1.9									3.2	6.6
SSW	.4	1.7	3.4	2.2	.2							9.9	9.2
SW	.4	2.4	3.9	2.0	.4							9.3	8.6
WSW		1.7	11.0	6.3								19.0	10.0
W	.6	2.4	4.3	1.9								9.3	8.2
WNW		.7	.6									1.3	6.7
NW	.6	.9	.2									1.7	4.7
NNW		.6										.6	4.7
VARBL	4.3	3.0										6.3	3.1
CALM												8.9	
	9.7	26.6	39.7	14.2	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

94077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

2-3
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	1.3	.2								4.6	5.5
NNE		1.9	2.1	.2								4.2	5.9
NE	.2	2.1	.6	.4								3.3	6.4
ENE	.2	2.1	1.9	.4								4.6	6.8
E	1.1	2.3	3.3	1.3								8.0	7.5
ESE	.2	1.3	.6		.2							2.3	6.8
SE		.6	.6									1.1	6.2
SSE		.4	.8									1.3	6.9
S	.6	1.5	2.5	.6								5.2	7.4
SSW	.4	1.7	3.2	2.9	.4							10.5	9.3
SW	.2	1.0	4.0	2.1	.2							7.5	9.6
WSW	.2	1.8	11.7	6.7	.4							20.7	10.7
W	.2	2.9	4.6	2.1	.2				.2			10.0	8.8
WNW	.4	.4	1.1									1.9	6.2
NW	.4	.8	.2									1.3	5.1
NNW	.4	.8	.4	.2								1.7	6.0
VARBL	3.3	3.1										6.3	3.5
CALM												5.4	
	8.0	27.2	40.8	17.0	1.3				.2			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24077 STATION BAUMHOLTER GERMANY AAF STATION NAME

65-70 YEARS

15 NORTH

ALL WEATHER CLASS

1500-1700 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	2.3									4.4	6.2
NNE	.6	2.8	2.5	.2								5.7	6.8
NE	.4	1.9	1.0									2.7	6.0
ENE	.8	2.1	1.9									4.8	6.1
E	.8	2.9	2.7	.2	.2							6.1	7.1
ESE	.2	1.5	.6	.2								2.8	5.2
SE		.4	.4									.9	5.4
SSE	.4	1.9	1.5									3.8	6.2
S	.2	1.9	2.3	.4	.2							3.0	8.4
SSW		1.5	3.6	1.5	.2							6.9	9.1
SW		2.2	3.8	1.9								8.2	8.7
WSW	.2	3.1	8.0	5.6	.8							17.4	9.8
W	.2	3.4	4.8	2.5	.2							11.1	8.7
WNW	.2	3.1	.8									4.0	5.2
NW	.8	.6	.6									1.7	5.2
NNW	.8	.8	.4									1.9	4.8
VARBL	3.1	2.9										5.9	3.5
CALM												6.7	
	8.8	33.5	37.2	12.8	1.5							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-66,68
YEARS

4 3
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.9	1.5									5.9	5.5
NNE		1.5	1.5									2.9	8.0
NE													
ENE	1.5	2.9										4.4	4.3
E		1.5	2.9									4.4	7.7
ESE													
SE		1.5			1.5							2.9	11.5
SSE													
S		2.9	5.9									8.9	7.5
SSW	1.5	1.5	2.9									5.9	6.5
SW		7.4	1.5	2.9								11.8	7.1
WSW		7.4	5.9	2.9								16.2	7.6
W	1.5	4.4	1.5									7.4	4.8
WNW		2.9										2.9	5.5
NW	1.5	1.5		1.5								4.4	6.0
NNW	1.5	2.9										4.4	4.3
VARBL													
CALM												17.6	
	8.8	41.2	22.5	7.4	1.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 68

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 66 MONTH 13
CLASS ALL WEATHER HOURS (L S T.) 2100-2300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		16.7										16.7	5.0
SW			16.7									16.7	7.0
WSW		50.0										50.0	5.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												16.7	
		66.7	16.7									100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 68 MONTH SEP
CLASS ALL WEATHER HOURS (L S T.) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW	50.0	50.0										100.	3.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.	
	50.0	50.0										100.	3.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
ETAC/USAF
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 65-70 MONTH SEP
CLASS ALL WEATHER HOURS (L S T.) 03-05
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8										2.0	4.0
NNE	.6	.6										1.2	3.5
NE	.6											.6	3.0
ENE	.6	.6										1.2	3.5
E	.6	.6	.6									1.8	6.0
ESE		.6		.6								1.2	7.5
SE	.6											.6	2.0
SSE		.6	.6									1.2	7.5
S	.6	2.4	2.9									5.9	6.0
SSW	1.8	2.4	1.2	.6		.6						6.0	7.9
SW	2.5	4.7	2.9	.6								14.7	6.4
WSW	.6	2.9	4.1	1.8								9.4	8.7
W	.6	1.2	.6	.6								2.9	7.4
WNW	.6											.6	3.0
NW				.6								.6	12.0
NNW	.6											.6	3.0
VARBL	.6											.6	2.0
CALM												47.0	
	12.9	18.2	15.9	4.7		.6						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 170

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24077 BAUMHOLTER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

26°C-09°C

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.2	.4	.4								3.5	5.2
NNE	1.4	2.3	.6	.2								4.5	4.2
NE	.2	1.4										1.4	4.0
ENE		1.6	.2									1.6	5.6
E	.2	.8	.4									1.4	5.1
ESE		.4		.2								.4	5.7
SE	.2	.2										.4	5.5
SSE		.6	.4	.2								1.2	7.3
S	.6	1.2	1.6		.4							3.7	7.6
SSW	.8	1.4	2.7	1.8	.4							8.7	5.5
SW	1.9	4.5	7.2	2.7								16.2	7.6
WSW	.4	4.1	6.6	2.9								14.7	8.3
W		1.0	.8	.8								2.5	8.5
WNW	.4	.4										.4	3.5
NW	.8											.4	2.3
NNW	.6											.4	2.3
VARBL	1.8											1.8	1.8
CALM												36.0	
	10.7	20.5	21.0	9.1	.8							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

514

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

000-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.0	.6								3.7	5.6
NNE	.4	2.7	1.7									4.7	6.1
NE	.6	1.6	1.4	.2								3.7	6.2
ENE	.4	1.9	1.9									4.7	6.9
E	.4	2.3	2.9	.2								5.7	7.1
ESE	.2	.6	.8									1.4	6.2
SE	.2	1.0										1.2	4.3
SSE		.8	.4	.2								1.4	6.9
S	.2	1.6	2.5	1.4	.2							5.7	8.8
SSW	.4	1.9	6.0	3.9	.4							13.4	9.6
SW	.4	3.5	5.0	3.1	.2							17.2	8.8
WSW	1.4	3.5	8.9	5.6	.8							20.7	9.3
W	.2	.8	3.3	1.4								3.6	9.4
WNW	.2	.2										.4	3.5
NW	.6	.2										.2	3.3
NNW	.6	1.4										1.9	3.9
VARBL	1.9	.8										2.7	2.9
CALM												10.7	
	8.9	25.8	36.6	16.5	1.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077 BAUMHOLDER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

12 - 14.0
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	1.0									2.1	5.1
NNE	.8	2.4	2.4									5.4	6.1
NE	.2	2.0	1.2	.2								3.2	6.4
ENE	.2	1.6	2.4	.2								4.1	7.3
E	.8	1.4	3.2	.8								6.1	7.4
ESE		2.2	1.4	.4								4.1	7.1
SE	.2	1.0	.6	.2								2.1	7.1
SSE		1.2	2.0	.2								3.4	7.7
S	1.0	1.0	2.8	1.2	.2		.4					2.1	9.2
SSW	.6	1.2	3.6	2.6	.6							2.1	10.1
SW	.4	1.8	5.7	4.9	.8							12.4	10.2
WSW		1.4	6.9	7.3	1.0							16.6	11.1
W	.4	1.6	4.2	4.2	.2							10.5	9.9
WNW	.4	.6	.4									1.4	8.6
NW		.6										.6	8.0
NNW	.2											.2	8.1
VARBL	2.6	1.8										4.3	3.6
CALM												5.9	
	8.1	23.1	37.5	22.1	2.8		.4					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

504

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	1.2									3.4	5.5
NE	1.4	3.2	1.0	.2								6.3	5.6
E	.4	1.6	.8									2.0	5.9
ENE	.8	3.0	.8									4.5	5.3
E	.2	3.7	2.6									6.5	5.2
ESE	.6	1.4	.6									2.5	5.6
SE	.2	.8	.4	.2								1.4	6.6
SSE	.4	1.4	1.2	.2								3.2	6.6
S	.8	3.0	2.8	.6	.2		.2					7.5	7.6
SSW	.6	3.2	1.6	2.6	.4							9.3	8.9
SW	.4	3.2	3.7	1.8	.2							5.6	7.9
WSW	.6	4.1	7.7	4.9	.2	.2						17.4	9.2
W	.6	2.4	5.1	2.8	.2							11.0	9.0
WNW	.2	.6	.6	.2								1.6	6.8
NW		.6										.5	4.3
NNW	.2		.2									.4	5.0
VARBL	3.0	1.8										4.7	3.4
CALM												8.1	
	10.8	35.3	30.8	12.4	1.2	.2	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-66 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 1-20
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7											1.7	3.0
NNE	1.7	3.0	1.7									3.0	5.2
NE	1.7											1.7	3.0
ENE		3.3										3.3	5.0
E	3.3	1.7										5.0	3.3
ESE			1.7									1.7	9.0
SE				1.7								1.7	12.0
SSE													
S	3.3	1.7	3.3	1.7								10.0	7.0
SSW		3.3	1.7									5.0	6.3
SW		1.7	3.3									5.0	7.7
WSW		3.3	10.0	1.7								15.0	8.1
W	3.3		3.3									6.7	6.3
WNW													
NW		1.7										1.7	5.0
NNW													
VARBL													
CALM												33.3	
	15.0	21.7	25.0	5.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24077 STATION NAME BAUMHOLTER GERMANY AAF YEAR 65-70 MONTH 7

CLASS ALL WEATHER HOURS (L2Y) 31-32

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7										2.3	4.8
NNE	1.1	2.9	.6									4.5	4.4
NE	.6	1.1										1.7	3.3
ENE	.6		1.1									1.7	3.7
E	1.7	1.1										2.9	3.4
ESE		1.1	1.1									2.3	7.7
SE	.6	.6										1.1	3.2
SSE		.6										.4	4.7
S	1.1			1.1								2.3	7.5
SSW	2.3	1.1	2.9	.6	.6							7.4	7.4
SW	2.3	4.0	4.0	1.7	.6							12.6	7.6
WSW	2.3	2.3	4.0	4.0			.6					13.1	9.4
W	.6	.6	1.7	.6								3.4	5.7
WNW	1.7	.6										2.3	3.7
NW	.6	1.1	.6									2.3	5.7
NNW	1.1											1.1	2.5
VARBL	1.1											1.1	2.0
CALM												37.1	
	18.3	28.9	18.0	8.6	1.1		.6					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 175

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34077 BAUMHOLDER GERMANY AAF

65-70

CT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

66-01-01

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	.4	.6								3.7	5.1
NNE	1.1	2.3	1.7	.4								5.4	6.2
NE	.2	.2	1.7	.2								2.3	7.2
ENE	.9	2.1	.8	.2								3.7	8.2
E	.2	1.1	.4									1.7	4.7
ESE		.6										.4	5.7
SE													
SSE	.2	.4										.6	4.7
S	1.1	.9	.8	.4	.2							3.4	5.4
SSW	1.7	2.8	2.4	.8	.6							8.2	7.2
SW	.8	4.3	5.1	1.7	.6							12.5	8.2
WSW	1.3	2.8	5.2	4.9	.6	.2						12.9	9.2
W	.8	.4	2.8	1.7		.2						5.2	9.2
WNW	.6		.2									.2	3.2
NW		.2	.2									.4	5.5
NNW	.2	.2	.2									.5	6.7
VARBL	1.7	.2										1.9	2.3
CALM												36.7	
	12.0	19.7	19.7	10.2	1.9	.4						100.7	4.2

TOTAL NUMBER OF OBSERVATIONS

332

DATA PROC. SING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

63-70
YEARS

07
MONTH

ALL WEATHER
CLASS

09-11
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.4	.9									3.2	4.8
NNE	1.1	2.1	1.5	.2								4.9	5.5
NE	.2	1.5	1.5	.4								3.6	7.7
ENE		1.1	2.4	.4								3.6	4.3
E	1.7	3.6	1.1	.2								6.4	5.3
ESE	.2	1.3	.9	.2								2.4	7.1
SE	.4	.4										.7	4.3
SSE	.2	.6	.6	.2								1.4	7.1
S	.2	.6	2.1	.9	.2							3.3	9.4
SSW	.2	1.7	6.4	1.7								9.6	8.8
SW	.6	2.4	8.1	2.1	.4	.7						11.2	9.9
WSW	.6	3.6	6.2	6.4	1.1		.2					18.7	10.7
W	.6	1.7	3.7	2.2	.2							8.4	9.1
WNW	.2	.9	.9	.2								2.2	6.8
NW	.2	.4	.2									.7	5.3
NNW	.2	.6		.2								.9	6.4
VARBL	2.4	.4										2.8	2.5
CALM												14.8	
	10.7	23.0	32.5	15.2	1.9	.7	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 334

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34077 STATION NAME BAUHHOLDEN GERMANY AAF YEARS 65-70 CT 12
MONTH 12
CLASS ALL WEATHER
HOURS (LST) 14
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	1.2									2.7	5.6
NNE	.8	1.4	2.3	.4								4.9	5.0
NE	.6	1.6	1.6	.6	.2							4.5	7.3
ENE	.4	1.9	3.3	.8								6.4	7.9
E	1.2	3.1	2.1									6.4	5.0
ESE	.6	2.1	.8									3.5	5.1
SE	.4	2.1	.6									3.1	5.1
SSE	.4	.8	1.4									2.3	6.7
S	.2	1.6	3.1	.8	.2							5.7	6.6
SSW	.2	1.2	2.1	1.0								4.5	8.2
SW	.2	2.5	3.3	3.1	1.0							12.1	6.7
WSW	.4	3.5	3.3	8.4	.2		.4					18.1	10.4
W	.4	1.9	4.9	2.7	.6		.2					10.9	13.7
WNW		.6	.6	.2								1.4	7.9
NW	.4	.4	.2									1.7	4.7
NNW	.4	.8	.2	.2								1.6	5.4
VARBL	4.3	.2										4.5	2.3
CALM												6.7	
	11.3	20.7	34.9	16.3	2.1		.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION
RTAC/USAF
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

17
MONTH

ALL WEATHER
CLASS

12-17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	.8									3.2	5.4
NNE	1.2	3.2	1.6									5.2	5.7
NE	1.2	1.8	1.8									4.2	5.2
ENE	2.0	2.4	2.6		.2							7.2	5.2
E	2.0	3.6	.6									6.2	4.6
ESE	1.2	1.4	.2									2.2	4.2
SE	.2	.4	.2									.6	3.5
SSE	.6	1.6	1.8									4.2	6.2
S		2.4	.8	.4								2.4	6.7
SSW	1.0	1.8	2.6	1.8								7.2	7.5
SW	1.0	2.4	4.8	2.4								12.6	8.2
WSW	1.2	4.0	4.2	6.4								18.2	9.1
W	1.0	1.6	3.6	1.6	.4							8.2	8.5
WNW	.2	.4	.6	.2								1.6	7.1
NW		.4	.2									.6	5.7
NNW	.6	.4	.2									1.2	4.0
VARSL	2.4	.6										3.2	2.7
CALM												14.2	
	16.4	29.1	26.5	12.8	.6							100.2	5.9

TOTAL NUMBER OF OBSERVATIONS 301

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-66
YEARS

CT
MONTH

ALL WEATHER
CLASS

18-200
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.6									1.4	7.7
NNE	1.6	1.6	3.2									6.9	5.7
NE	3.2	6.9		1.6								11.2	5.4
ENE		1.6	6.9									8.1	7.6
E	3.2		1.6									4.7	5.4
ESE													
SE													
SSE		1.6	1.6									3.2	8.7
S			1.6									1.6	7.7
SSW	1.6	3.2	1.6	1.6								8.1	6.2
SW	3.2	4.8	3.2									11.2	5.7
WSW	1.6	1.6	1.6									4.7	5.7
W													
WNW													
NW													
NNW	1.6											1.6	3.4
VARBL													
CALM												37.1	
	10.1	21.0	22.6	3.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
06077

STATION NAME
BAUMHOLDER GERMANY AAF

YEARS
65-70

MONTH

ALL WEATHER

CLASS

1300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.5										4.4	4.1
NNE	.6	3.8	1.9									6.3	5.2
NE		1.3	1.9									3.1	7.0
ENE		1.3	2.5									3.8	7.5
E		.6	.6									1.3	8.0
ESE	.6											.4	2.0
SE													
SSE													
S		1.3	1.3	.6								3.1	7.4
SSW	.6	3.1	4.4	1.9	2.5	.6						13.1	10.8
SW	1.3	1.3	3.8	2.5	1.3							10.0	10.4
WSW	1.3	2.5	3.0	6.3	1.3	.6	.6					17.5	11.1
W		1.3	2.5	.6	.6							5.0	9.6
WNW		.6	1.3									1.9	6.3
NW			.6									.6	8.0
NNW		.6										.6	4.0
VARBL	2.5											2.8	1.5
CALM												26.3	
	8.8	20.0	25.6	11.9	5.6	1.3	.6					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

160

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24077 BAUMHOLDER GERMANY AAF

YEARS 65-70

CLASS ALL WEATHER

MOON 06-05-70
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.4	1.2									5.5	5.1
NNE	1.2	3.4	1.2	.2								6.1	5.6
NE	.4	2.2	1.2									3.7	5.9
ENE	.8	.8	1.2	.2	.2							3.2	7.3
E	1.0		.6	.4								2.7	6.4
ESE		.2	.2									.4	5.5
SE	.4	.2		.4								1.7	6.6
SSE	.4		.6		.2							1.2	8.5
S	.4	1.4	1.6	.4								3.8	7.2
SSW	.4	2.4	3.4	1.4	1.6	.4						9.7	10.5
SW	.8	3.0	4.7	5.9	2.2	.2						16.8	11.3
WSW	.4	2.0	4.9	4.7	.6	.2						12.8	10.9
W	.2	1.0	2.8	1.8								5.9	9.3
WNW		.8	.2									1.7	5.8
NW		.2										.2	4.0
NNW		.4										.4	5.3
VARL	2.8	.2										3.7	1.9
CALM												22.7	
	10.5	21.9	28.9	15.4	4.9	.8						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 494

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

ALL WEATHER
CLASS

MONTH
9-11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	.8	.4								6.5	5.2
NNE	1.2	4.2	1.8	.4								7.7	5.9
NE	.4	1.6	1.2	.2								3.4	6.4
ENE	.6	.8	1.6	1.0	.2							4.2	5.8
E	.2	2.2	1.0	.6								4.4	7.1
ESE	.6	.6	.2									1.4	4.6
SE	.2	.6	.2	.2								1.2	6.3
SSE	.4	.2	.6	.2	.2							1.4	9.8
S	.2	1.4	1.2	.2								3.4	7.1
SSW	.4	1.6	2.4	3.0	1.0	.2						9.7	11.1
SW	.4	2.2	7.5	5.5	2.0	.2						17.8	11.1
WSW	.4	2.8	5.5	6.9	2.2	.4						18.2	11.4
W	.6	1.4	3.0	.4	.2							5.7	7.8
WNW		.6	.2									.6	6.0
NW		.2										.2	4.0
NNW	.2	.2										.4	3.5
VARBL	.8	.6										1.4	3.0
CALM												14.7	
	7.7	24.6	27.3	19.0	5.9	.8						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 495

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

12-1400
MONTH
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.5	.2								3.7	5.1
NNE	1.1	3.2	1.9	.6								6.5	6.5
NE	.4	2.1	2.6									5.1	6.6
ENE	.6	1.2	1.3	.9								4.1	7.4
E	.6	1.7	.9	1.5								4.7	8.1
ESE		1.9	.4									2.3	5.3
SE		1.5	.4									1.9	5.7
SSE		.6	.4	.4								1.8	8.3
S		1.3	1.1	.6		.2						3.2	8.7
SSW	.6	1.7	2.3	1.9	.6							7.2	9.5
SW		2.3	4.9	5.3	1.9	.4						14.9	11.7
WSW	.4	1.5	8.7	7.5	1.7							19.8	11.1
W	.2	.2	4.9	2.1								7.3	9.6
WNW		.9	.2									1.1	5.8
NW	.2	.4										.4	3.7
NNW		.2										.2	6.0
VARBL	3.0	.6										3.4	2.7
CALM												11.3	
	7.3	23.0	31.6	21.1	4.3	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 469

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

94077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

15-170
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	.9	1.1								4.3	7.4
NNE	.9	2.0	2.0	.2								5.2	6.6
NE	.4	1.6	1.8									3.6	6.4
ENE	.4	2.2	1.8	.4	.2							4.7	7.3
E	.9	2.7		1.1	.2							4.9	6.9
ESE	.7	.7	.4	.2								2.0	6.0
SE	.2	.4	.4									1.1	6.0
SSE	.7	1.3	.7									2.7	5.3
S	.2	1.3	1.1	.2	.4	.2	.4					4.0	11.3
SSW	.2	2.0	.9	.7	.9							4.7	9.4
SW	.7	3.6	2.8	3.1	1.3	.7						13.3	10.2
WSW	.2	2.7	7.4	6.3	2.2	.2						19.1	11.0
W		1.8	3.1	.4								5.2	8.0
WNW		.2	.4									.7	6.3
NW	.2	.2	.2									.7	4.7
NNW	.4	.2	.2									.9	4.3
VARBL	2.8	.2										2.7	2.3
CALM												20.0	
	9.2	24.9	24.9	13.9	3.4	1.1	.4					106.0	6.9

TOTAL NUMBER OF OBSERVATIONS

445

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16077 STATION BAUMHOLDER GERMANY AAF 65 YEARS MONTH
CLASS ALL WEATHER HOURS (LST) 2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		6.9	3.4									10.2	4.0
NNE	3.4		3.4	3.4								10.2	7.3
NE			3.4									3.4	10.0
ENE	3.4		3.4									6.9	5.5
E				3.4								3.4	12.0
ESE			3.4									3.4	10.0
SE		3.4										3.4	4.0
SSE			3.4	3.4								6.9	10.0
S				3.4								3.4	16.0
SSW						3.4						3.4	25.0
SW					3.4							3.4	20.0
WSW		3.4	6.9	3.4		3.4	3.4					20.7	15.2
W				3.4								3.4	11.0
WNW													
NW													
NNW	3.4											3.4	3.0
VARBL													
CALM												13.2	
	10.2	13.8	27.6	20.7	3.4	6.9	3.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

50
MONTH

ALL WEATHER
CLASS

03-05-1
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8			.8								1.6	7.7
NNE		1.6	.8									2.4	6.7
NE		1.6										1.6	4.3
ENE	.8	2.4	.8									4.0	4.6
E		3.2										3.2	5.0
ESE		.8	1.6									2.4	7.0
SE													
SSE		.8										.8	5.0
S			.8	.8								1.6	11.0
SSW			5.6		.8							6.4	10.1
SW	1.6	1.6	5.6	1.6	1.6	.8						12.9	12.1
WSW		2.4	5.6	8.9	4.0							21.0	12.3
W		3.2	3.2			.8						7.3	8.4
WNW	.8		.8									1.6	6.0
NW													
NNW	.8											.8	3.1
VARBL	4.0											4.0	2.4
CALM												28.2	
	8.9	17.7	28.0	12.1	6.5	1.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 124

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34077
STATION

BAUMHOLDER GERMANY AAF
STATION NAME

65-70
YEARS

EC
MONTH

AL WEATHER
CLASS

16-0-0-0
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.6									2.1	4.9
NNE	2.1	2.8	1.9	.2								7.1	3.2
NE	.4	.4	1.3									2.1	6.5
ENE	.4	1.7	.9	.2								3.2	5.4
E	.4	2.1	.6	.2								3.4	5.4
ESE	.2	1.7	.4									2.4	5.4
SE		.4	.2	.2								.7	5.3
SSE		.4										.4	5.4
S	.4	.6	.2	.6								1.9	6.5
SSW	.6	1.7	1.9	1.9	.9	.2						7.3	6.5
SW	1.3	2.8	3.8	3.0	1.5	.2	.2					14.7	11.1
WSW	1.3	3.4	4.5	4.9	3.0	.4	.2					17.7	11.4
W	.2	1.3	4.5	1.3								7.3	9.4
WNW		.4	.6									1.1	3.4
NW	.4	.2	.2									.9	4.3
NNW													
VARBL	3.4	1.7										5.1	3.4
CALM												22.4	
	12.2	22.4	22.7	12.6	5.3	.9	.4					100.1	6.3

TOTAL NUMBER OF OBSERVATIONS

468

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH EC
CLASS ALL WEATHER HOURS (LST) 19-11
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.4	.2								1.6	4.6
NNE	1.4	2.7	2.3									6.4	5.8
NE	.8	2.7	.4									3.9	4.9
ENE	.6	1.6	1.8	.2								4.3	5.2
E	.8	2.3	2.3									5.8	4.9
ESE	.4	1.4	.2									2.6	4.9
SE	.4	.4	.4	.2								1.4	7.3
SSE	.2	.6		.4								1.2	7.2
S		.8	.2	.6								1.6	9.0
SSW	.8	1.2	1.2	2.3	.8							6.4	10.3
SW	.8	2.7	4.5	5.7	1.4	.4	.2					15.8	11.1
WSW	1.0	3.3	6.6	5.9	2.0	.8						19.7	11.6
W	.2	1.6	3.3	1.6								7.0	8.7
WYW	.2	.6	.6									1.4	6.4
NW		.6		.2								.8	5.3
NNW		.6	.2	.2								.8	7.0
VARBL	4.1	1.2										5.3	2.0
CALM												14.0	
	12.3	25.0	24.6	17.5	4.3	1.2	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 400

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 94077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH NORTH
CLASS ALL WEATHER HOURS (L.T.) 12-14
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 55	%	MEAN WIND SPEED
N	.2	1.1	.7									2.7	8.9
NNE	.4	4.7	2.7									7.5	5.9
NE	.7	1.6	.2									2.4	4.2
ENE	.7	1.8	.9	.2								3.4	3.7
E		3.3	1.6									5.1	4.2
ESE	.9	.7										1.4	3.3
SE	.4	1.3										1.5	4.1
SSE	.2	.7	.4	.2								1.4	6.6
S		.9	.9	.9	.7							3.3	10.9
SSW	.4	1.1	1.3	.7	1.1	.4						5.1	11.3
SW	.9	2.0	4.7	3.3	1.1	.9						12.9	11.0
WSW	1.3	3.6	8.2	3.3	2.9	1.6						22.9	11.1
W	.7	1.6	5.8	2.0	.9							10.5	9.5
WNW		1.3	.9									2.2	6.3
NW		.4	.2									.7	6.7
NNW	.4	.7	.2									1.3	4.2
VARBL	3.6	3.6	.2									7.3	3.3
CALM												7.6	
	10.9	30.2	29.1	12.7	6.7	2.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 430

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 84077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 65-70 MONTH EC
CLASS ALL WEATHER HOUR (LST) 15-17
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.3									1.2	4.7
NNE	.5	1.8	.8	.8								3.1	4.3
NE	1.3	1.8	.3									3.3	4.6
ENE	.8	2.8	1.3									4.2	5.4
E	.8	1.7	2.6									4.6	6.2
ESE	1.0	.5										1.8	3.7
SE	1.0	.3	.5									1.8	4.4
SSE		.3		.3								.9	9.1
S		2.0	1.5	.5								4.1	7.5
SSW	.3	1.0	1.5	.8	.3	.8	.3					5.1	13.8
SW	.3	1.8	5.6	4.3	1.0	.3	.3	.3				13.8	11.7
WSW	.3	2.3	8.4	4.1	1.3	1.0						17.3	10.7
W	1.3	3.1	4.6	1.5	.3	.3						11.7	8.3
WNW	.3	.8	1.0	.5								2.6	7.8
NW	.5	.8	.5									1.8	5.6
NNW	.8		.3									.8	4.7
VAR31	4.6	1.8	.3									6.6	3.1
CALM												14.5	
	12.8	23.5	29.2	12.8	2.8	2.3	.8	.3				100.7	7.2

TOTAL NUMBER OF OBSERVATIONS 392

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 96077 STATION NAME BAUMHOLTER GERMANY AAF YEARS 55
CLASS ALL WEATHER
CONDITION

100-200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	3.7											3.7	3.7
ESE													
SE													
SSE													
S		3.7										3.7	5.0
SSW		3.7	7.4	3.7			3.7	3.7				22.2	17.5
SW	3.7		3.7	11.1		3.7						22.2	13.5
WSW		7.4	7.4	11.1								25.5	9.8
W			3.7		3.7							7.4	13.0
WNW													
NW													
NNW			3.7									3.7	10.0
VARBL													
CALM												11.1	
	7.4	14.8	25.9	25.9	3.7	3.7	3.7	3.7				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 27

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
14077

STATION NAME
BAUMHOLDER GERMANY AAF

YEARS
65-70

MONTH
ALL

INSTRUMENT
CLASS

CONDITION
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2 1/2 MI W/CIG 200 FT OR MORE

HOURLS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	1.7	.3								5.5	5.1
NNE	1.0	2.9	2.6	.5	.0							7.1	6.5
NE	.4	1.3	1.0	.1	.0							2.8	4.3
ENE	.5	1.3	1.1	.2								3.1	4.5
E	.6	1.6	1.2	.2	.0							3.5	5.2
ESE	.3	.7	.6	.0								1.5	5.7
SE	.2	.5	.2	.0	.0							1.1	5.3
SSE	.2	.3	.4	.1	.0							1.1	7.3
S	.2	.9	1.3	.7	.1	.0	.0					2.2	9.2
SSW	.6	1.7	3.1	2.0	.6	.2	.0	.0				8.2	9.5
SW	.8	2.9	5.2	3.7	1.1	.2	.1	.0				14.1	10.1
WSW	.6	2.8	7.3	6.1	1.3	.4	.1	.0	.0			18.6	10.6
W	.5	1.5	3.5	2.0	.3	.1	.0					7.9	9.4
WNW	.3	.9	.9	.2	.0	.0						2.3	7.2
NW	.3	.5	.3	.1								1.1	5.3
NNW	.5	.6	.5	.1	.0							1.7	5.2
VARBL	1.0	.3	.0									2.1	2.7
CALM												15.3	
	9.7	22.9	31.1	16.4	3.5	.8	.2	.0	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 10269

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 1800															
≥ 1500					91.0										92.6
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500										97.4					98.1
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 STATION SAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING		15.5	17.6	20.4	22.0	22.7	23.7	24.2	24.6	25.5	25.8	25.9	26.0	26.1	26.2	26.4
≥ 20000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 18000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 16000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 14000		18.8	21.3	24.5	26.4	27.3	28.5	29.2	29.6	30.6	31.0	31.1	31.2	31.3	31.4	31.9
IV 12000		19.0	21.5	24.8	26.7	27.6	28.7	29.3	29.9	30.9	31.3	31.4	31.5	31.6	31.7	32.2
IV 10000		20.0	22.6	24.0	28.0	28.9	30.1	30.8	31.2	32.3	32.7	32.8	32.9	33.0	33.1	33.6
IV 9000		20.9	23.2	26.6	28.6	29.5	30.8	31.5	31.9	33.0	33.4	33.5	33.7	33.8	33.9	34.4
IV 8000		22.7	25.7	29.4	31.6	32.6	34.0	34.8	35.2	36.4	36.8	37.0	37.1	37.2	37.3	37.9
IV 7000		24.5	27.7	31.8	34.2	35.2	36.7	37.7	38.1	39.4	39.9	40.0	40.2	40.3	40.4	41.0
IV 6000		25.3	28.7	33.0	35.5	36.6	38.2	39.1	39.6	41.0	41.5	41.6	41.8	41.9	42.0	42.6
IV 5000		26.3	29.9	34.4	37.0	38.2	39.9	40.9	41.4	42.8	43.4	43.6	43.7	43.8	43.9	44.5
IV 4500		26.8	30.5	35.1	37.7	38.9	40.6	41.6	42.2	43.6	44.2	44.4	44.5	44.6	44.8	45.3
IV 4000		27.9	31.8	36.6	39.4	40.6	42.4	43.4	44.0	45.5	46.0	46.2	46.4	46.5	46.6	47.2
IV 3500		29.1	33.1	38.2	41.1	42.3	44.2	45.3	45.8	47.4	48.0	48.2	48.3	48.4	48.6	49.1
IV 3000		31.9	36.2	41.9	45.0	46.3	48.4	49.6	50.2	51.9	52.5	52.7	52.8	53.0	53.1	53.7
IV 2500		34.1	38.7	44.9	48.3	49.7	51.9	53.2	53.9	55.7	56.3	56.5	56.7	56.8	57.0	57.4
IV 2000		36.0	41.0	47.6	51.2	52.9	55.2	56.7	57.4	59.4	60.0	60.3	60.4	60.6	60.7	61.3
IV 1800		36.8	42.0	48.9	52.7	54.3	56.8	58.3	59.0	61.0	61.7	61.9	62.1	62.2	62.4	63.0
IV 1500		38.9	44.6	52.0	56.2	57.9	60.7	62.3	63.1	65.2	66.0	66.2	66.4	66.6	66.7	67.3
IV 1200		40.6	46.3	54.4	59.3	60.9	63.9	65.6	66.5	69.0	69.8	70.0	70.2	70.3	70.5	71.1
IV 1000		41.2	47.4	56.1	61.0	63.0	66.4	68.5	69.6	72.5	73.4	73.7	73.8	74.0	74.1	74.7
IV 900		41.6	47.9	56.8	62.0	64.1	67.7	70.0	71.1	74.2	75.2	75.4	75.6	75.8	75.9	76.5
IV 800		42.0	48.5	57.8	63.1	65.4	69.3	72.1	73.3	76.8	77.8	78.1	78.3	78.4	78.6	79.2
IV 700		42.2	48.9	58.4	64.1	66.5	71.0	73.9	75.2	79.3	80.5	80.8	81.0	81.1	81.3	81.9
IV 600		42.5	49.2	58.9	64.7	67.2	72.1	75.4	76.9	81.5	82.9	83.3	83.5	83.7	83.8	84.4
IV 500		42.6	49.4	59.3	65.2	67.8	72.9	76.9	78.3	84.0	86.0	86.4	86.7	87.0	87.1	87.7
IV 400		42.6	49.5	59.4	65.4	68.0	73.4	77.3	79.1	86.2	89.1	89.7	90.2	90.5	90.7	91.3
IV 300		42.6	49.5	59.4	65.5	68.1	73.5	77.4	79.3	87.0	90.8	92.0	92.9	93.3	93.5	94.2
IV 200		42.6	49.5	59.4	65.5	68.1	73.5	77.4	79.4	87.2	91.4	92.0	94.2	95.2	95.6	96.6
IV 100		42.6	49.5	59.5	65.5	68.1	73.5	77.5	79.4	87.3	91.5	93.2	94.5	95.8	96.5	98.7
IV 0		42.6	49.5	59.4	65.5	68.1	73.5	77.5	79.4	87.3	91.5	93.2	94.5	95.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 26495

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING		2.9	3.5	4.5	6.1	6.7	8.6	9.9	11.1	13.4	14.1	14.5	14.6	14.8	14.9	15.0
≥ 20000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 18000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 16000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 14000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 12000		3.7	4.9	6.6	8.6	9.6	12.1	14.0	15.2	17.9	18.8	19.5	19.7	19.8	20.0	20.0
IV 10000		3.7	5.0	7.0	9.2	10.1	12.5	14.4	15.6	18.3	19.2	20.0	20.2	20.3	20.3	21.0
IV 9000		3.8	5.2	7.3	9.5	10.4	12.8	14.7	15.9	18.8	19.7	20.4	20.6	20.9	21.0	21.4
IV 8000		4.2	5.7	8.0	10.3	11.1	13.7	15.7	16.8	19.8	20.8	21.6	21.8	22.0	22.1	22.4
IV 7000		4.8	6.5	9.5	11.8	12.8	15.6	17.6	19.0	22.0	23.0	23.9	24.1	24.4	24.5	25.0
IV 6000		5.0	6.7	9.9	12.2	13.2	16.1	18.2	19.6	22.8	23.7	24.7	24.9	25.1	25.3	25.7
IV 5000		5.4	7.3	10.6	12.9	14.0	17.1	19.3	20.7	24.0	25.0	26.0	26.3	26.5	26.6	27.2
IV 4500		5.4	7.3	10.7	13.0	14.0	17.2	19.4	20.8	24.0	25.0	26.0	26.3	26.5	26.7	27.3
IV 4000		5.4	7.3	10.7	13.0	14.0	17.2	19.4	21.0	24.2	25.2	26.2	26.5	26.7	26.9	27.4
IV 3500		5.4	7.3	10.8	13.2	14.2	17.4	19.7	21.2	24.5	25.5	26.5	26.8	27.0	27.1	27.7
IV 3000		5.5	7.5	11.2	13.8	14.9	18.7	21.0	22.6	25.9	26.9	27.9	28.3	28.6	28.9	29.7
IV 2500		5.7	8.1	12.2	14.8	16.2	20.1	22.7	24.4	28.1	29.2	30.2	30.5	30.9	31.2	31.7
IV 2000		5.9	8.5	12.5	15.3	17.2	21.1	24.0	25.9	29.9	30.9	32.0	32.3	32.7	33.0	33.4
IV 1800		6.1	8.8	13.4	16.4	17.9	21.9	25.0	26.9	30.9	31.9	32.9	33.3	33.6	33.9	34.7
IV 1500		7.8	10.8	17.2	20.6	22.1	26.9	30.0	32.0	36.6	37.7	38.8	39.1	39.5	39.8	40.4
IV 1200		8.5	12.1	18.9	22.5	24.3	29.8	33.6	35.6	40.9	42.1	43.1	43.5	43.8	44.1	45.0
IV 1000		8.5	12.2	19.3	23.0	25.0	30.8	35.3	37.8	44.1	45.3	46.6	47.0	47.3	47.7	48.5
IV 900		8.7	12.6	20.0	23.7	26.0	32.3	37.3	40.1	47.0	48.6	49.6	50.0	50.3	50.7	51.3
IV 800		8.9	13.0	20.6	24.5	27.0	33.9	39.7	42.9	51.3	53.0	54.1	54.5	54.8	55.1	56.0
IV 700		9.1	13.4	21.6	25.3	28.4	35.6	42.6	45.8	55.4	57.3	58.5	58.9	59.3	59.6	60.5
IV 600		9.3	13.7	21.9	26.4	29.0	36.8	44.1	47.8	58.0	61.6	62.7	63.1	63.4	63.8	64.7
IV 500		9.5	14.0	22.8	27.2	29.8	38.0	46.0	49.7	63.9	67.9	69.4	70.3	70.8	71.1	72.0
IV 400		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	73.6	75.5	76.8	77.4	77.8	78.7
IV 300		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	73.6	75.5	76.8	77.4	77.8	78.7
IV 200		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	73.6	75.5	76.8	77.4	77.8	78.7
IV 100		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	73.6	75.5	76.8	77.4	77.8	78.7
IV 0		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	73.6	75.5	76.8	77.4	77.8	78.7

TOTAL NUMBER OF OBSERVATIONS 1794

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 36077 BAUMHOLDER GERMANY AAF

65-70

YEAR

CONT.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

UNIT

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4/16	≥0
NO CEILING ≥ 20000		7.3	8.9	11.6	13.7	14.2	12.4	15.9	16.2	17.8	18.1	18.4	18.4	19.4	18.4	11.5
IV 18000		9.5	11.3	14.4	16.6	17.6	19.1	20.3	20.8	22.7	23.0	23.4	23.4	23.4	23.4	23.5
IV 16000		9.5	11.3	14.4	16.6	17.6	19.1	20.3	20.8	22.7	23.0	23.4	23.4	23.4	23.4	23.5
IV 14000		9.6	11.4	14.6	16.8	17.8	19.3	20.5	21.0	22.9	23.2	23.6	23.6	23.6	23.6	23.7
IV 12000		9.6	11.4	14.7	16.8	18.0	19.5	20.7	21.2	23.2	23.6	23.9	23.9	23.9	23.9	24.0
IV 10000		9.9	11.7	15.1	17.2	18.3	19.9	21.1	21.6	23.6	24.0	24.3	24.3	24.3	24.4	24.5
IV 9000		10.0	11.9	15.3	17.4	18.6	20.1	21.5	21.8	23.8	24.2	24.6	24.6	24.6	24.6	24.7
IV 8000		10.6	12.8	16.2	18.5	19.6	21.4	22.6	23.1	25.2	25.7	26.0	26.0	26.0	26.0	26.1
IV 7000		11.5	13.9	17.8	20.3	21.4	23.3	24.6	25.1	27.3	27.7	28.0	28.0	28.0	28.1	28.2
IV 6000		12.2	14.6	18.7	21.1	22.2	24.3	25.7	26.1	28.6	29.1	29.5	29.5	29.5	29.5	29.6
IV 5000		12.3	14.9	19.2	21.8	22.9	25.0	26.5	27.0	29.6	30.3	30.7	30.7	30.7	30.8	30.9
IV 4500		12.4	15.0	19.3	21.9	23.0	25.2	26.7	27.2	29.9	30.6	31.0	31.0	31.0	31.1	31.2
IV 4000		12.7	15.4	19.9	22.5	23.6	25.8	27.4	28.0	30.8	31.5	31.9	31.9	31.9	32.0	32.1
IV 3500		12.8	15.8	21.1	23.9	25.0	27.4	29.0	29.5	32.4	33.2	33.6	33.6	33.6	33.7	33.8
IV 3000		15.0	18.1	24.0	27.0	28.2	30.6	32.2	32.9	35.8	36.6	37.1	37.1	37.1	37.1	37.2
IV 2500		16.4	20.0	26.9	30.3	31.6	34.2	36.0	36.7	39.8	40.7	41.1	41.1	41.1	41.2	41.3
IV 2000		18.1	22.1	30.0	33.9	35.4	38.1	40.0	40.9	44.5	45.5	45.9	46.0	46.1	46.1	46.2
IV 1800		18.9	23.1	31.3	35.3	36.8	39.6	41.4	42.3	45.9	46.9	47.4	47.5	47.6	47.6	47.7
IV 1500		20.7	25.3	34.5	39.1	40.7	44.0	46.0	46.9	50.9	52.1	52.5	52.6	52.7	52.8	52.9
IV 1200		21.8	26.7	37.0	42.4	44.2	48.1	50.2	51.2	55.6	56.7	57.2	57.3	57.4	57.4	57.6
IV 1000		22.6	28.3	39.8	45.8	47.8	52.6	55.3	56.7	62.5	63.8	64.4	64.5	64.6	64.6	64.8
IV 900		22.8	28.6	40.4	46.7	48.8	53.5	56.9	58.1	63.9	65.3	65.8	65.9	66.0	66.1	66.2
IV 800		22.9	28.9	41.2	47.9	50.1	55.7	59.2	60.3	66.6	68.0	68.6	68.6	68.8	68.8	69.0
IV 700		23.1	29.3	41.8	49.1	51.4	57.7	61.6	62.9	69.6	71.1	71.6	71.8	71.9	72.0	72.1
IV 600		23.4	29.7	42.5	50.0	52.3	59.2	63.8	65.4	72.5	74.6	75.2	75.6	75.8	75.8	76.1
IV 500		23.4	29.7	42.5	50.1	52.4	59.7	65.0	66.7	75.0	77.9	78.8	79.2	79.3	79.4	79.5
IV 400		23.4	29.7	42.5	50.1	52.5	60.0	65.7	67.6	79.0	82.2	84.8	85.7	86.1	86.1	86.2
IV 300		23.4	29.7	42.5	50.1	52.5	60.3	66.1	68.1	80.8	85.6	89.4	90.8	91.3	91.4	91.7
IV 200		23.4	29.7	42.5	50.1	52.5	60.3	66.1	68.1	80.9	87.5	91.6	93.7	95.2	95.2	96.2
IV 100		23.4	29.7	42.5	50.1	52.5	60.3	66.1	68.1	80.9	87.5	91.6	93.7	95.2	96.0	98.1
IV 0		23.4	29.7	42.5	50.1	52.5	60.3	66.1	68.1	80.9	87.5	91.6	93.7	95.2	96.0	98.1

TOTAL NUMBER OF OBSERVATIONS 2105

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING ≥ 20000		10.9	14.5	18.6	20.2	20.7	21.5	21.7	21.8	22.4	22.6	22.6	22.8	22.9	22.9	23.2
IV 18000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 16000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 14000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 12000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 10000		14.2	18.8	23.4	25.5	26.3	27.3	27.6	27.7	28.7	28.9	28.9	29.2	29.2	29.3	29.7
IV 9000		14.2	18.8	23.4	25.5	26.3	27.3	27.6	27.7	28.7	28.9	28.9	29.2	29.2	29.3	29.7
IV 8000		15.0	20.0	25.0	27.4	28.2	29.2	29.6	29.7	30.8	31.0	31.1	31.3	31.3	31.4	31.9
IV 7000		15.0	20.0	25.0	27.4	28.2	29.2	29.6	29.7	30.8	31.0	31.1	31.3	31.3	31.4	31.9
IV 6000		16.2	22.2	28.1	30.8	31.8	32.9	33.4	33.6	34.7	35.0	35.0	35.3	35.3	35.4	35.5
IV 5000		16.5	22.5	28.8	31.6	32.7	33.8	34.3	34.4	35.7	36.0	36.1	36.3	36.4	36.5	36.8
IV 4500		16.6	22.7	29.0	31.8	32.9	34.0	34.5	34.7	35.9	36.3	36.3	36.6	36.6	36.7	37.1
IV 4000		17.4	23.6	30.0	32.9	34.1	35.2	35.8	36.0	37.3	37.6	37.7	37.9	38.0	38.1	38.4
IV 3500		18.0	24.4	31.3	34.2	35.4	36.7	37.3	37.5	38.8	39.2	39.2	39.4	39.5	39.6	40.0
IV 3000		20.0	26.6	34.1	37.8	39.2	40.7	41.5	41.8	43.2	43.6	43.7	43.9	44.0	44.1	44.5
IV 2500		21.6	28.9	37.2	41.4	43.0	44.7	45.7	46.0	47.5	47.9	47.9	48.2	48.3	48.4	48.8
IV 2000		24.9	33.0	41.9	46.8	48.7	50.9	51.9	52.4	53.9	54.2	54.4	54.7	54.8	54.9	55.3
IV 1800		26.3	34.7	44.1	49.4	51.4	53.6	54.9	55.4	56.9	57.3	57.4	57.7	57.8	57.9	58.3
IV 1500		30.3	40.2	50.5	56.8	58.7	61.4	63.0	63.6	65.3	65.8	65.9	66.2	66.3	66.4	66.8
IV 1200		31.8	41.9	52.8	59.8	61.7	64.7	66.8	67.7	69.6	70.1	70.2	70.3	70.6	70.7	71.1
IV 1000		32.8	43.4	55.2	62.7	64.6	67.9	69.6	70.7	72.9	73.3	73.4	73.6	73.7	73.8	74.1
IV 900		33.3	44.1	56.2	64.2	66.1	69.4	71.2	72.0	74.5	74.9	75.0	75.1	75.2	75.3	75.6
IV 800		33.9	45.0	57.7	65.2	67.1	70.4	72.1	73.0	75.7	76.1	76.2	76.3	76.4	76.5	76.8
IV 700		33.9	45.2	58.2	67.2	69.1	72.4	74.1	75.0	77.7	78.1	78.2	78.3	78.4	78.5	78.8
IV 600		34.2	45.7	58.7	67.7	69.6	72.9	74.6	75.5	78.2	78.6	78.7	78.8	78.9	79.0	79.3
IV 500		34.2	45.8	59.0	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8
IV 400		34.2	45.8	59.1	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8
IV 300		34.2	45.8	59.1	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8
IV 200		34.2	45.8	59.1	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8
IV 100		34.2	45.8	59.1	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8
IV 0		34.2	45.8	59.1	68.2	70.1	73.4	75.1	76.0	78.7	79.1	79.2	79.3	79.4	79.5	79.8

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 - BAUMHOLTER GERMANY AAF

62-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING		21.5	23.4	24.9	25.4	26.3	26.8	26.9	26.9	27.0	27.0	27.0	27.1	27.2	27.2	27.2
≥ 20000		25.3	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 18000		25.3	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 16000		25.3	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 14000		25.4	27.9	29.8	30.7	31.8	32.4	32.6	32.6	32.7	32.8	32.8	32.9	33.0	33.0	33.1
IV 12000		25.5	28.0	30.0	30.9	32.0	32.6	32.7	32.8	32.9	33.0	33.1	33.1	33.2	33.2	33.4
IV 10000		26.5	29.2	31.2	32.2	33.4	33.9	34.1	34.2	34.3	34.4	34.4	34.5	34.6	34.6	34.7
IV 9000		26.9	29.7	31.8	32.8	33.9	34.5	34.7	34.7	34.8	35.0	35.0	35.1	35.2	35.2	35.3
IV 8000		28.5	31.6	33.9	35.0	36.1	36.8	37.0	37.1	37.2	37.4	37.4	37.5	37.6	37.6	37.8
IV 7000		29.7	33.1	35.6	36.8	38.1	38.7	39.2	39.3	39.3	39.5	39.5	39.7	39.8	39.8	40.0
IV 6000		30.4	34.0	36.6	38.1	39.5	40.2	40.6	40.7	40.8	41.0	41.0	41.1	41.2	41.3	41.4
IV 5000		31.1	35.0	38.0	39.5	41.0	42.0	42.3	42.4	42.5	42.7	42.7	42.8	43.0	43.0	43.1
IV 4500		31.6	35.5	38.8	40.4	41.9	42.9	43.2	43.4	43.5	43.7	43.8	43.8	44.0	44.0	44.2
IV 4000		32.1	36.2	41.1	42.8	44.2	45.4	45.8	45.9	46.2	46.3	46.4	46.5	46.6	46.6	46.8
IV 3500		33.4	39.7	43.8	45.5	47.0	48.2	48.6	48.8	49.0	49.2	49.2	49.3	49.5	49.5	49.6
IV 3000		33.8	40.2	46.9	48.8	50.4	51.7	52.4	52.8	53.4	53.6	53.6	53.7	53.8	53.8	54.0
IV 2500		43.5	48.5	56.0	58.2	59.1	59.7	60.3	60.5	60.8	61.0	61.0	61.1	61.2	61.2	61.4
IV 2000		48.2	53.6	59.7	62.2	63.5	64.4	65.0	65.2	65.6	65.9	66.0	66.1	66.2	66.2	66.4
IV 1800		48.8	54.6	61.0	63.7	65.2	66.2	67.0	67.2	67.6	67.9	68.0	68.1	68.2	68.2	68.4
IV 1500		51.6	58.1	65.2	68.3	71.0	72.4	73.4	74.2	74.5	75.1	75.4	75.5	75.7	75.7	75.9
IV 1200		52.3	59.0	67.4	71.1	74.0	76.8	77.7	77.9	78.3	78.9	79.0	79.1	79.3	79.3	79.5
IV 1000		53.3	60.3	70.0	74.3	77.2	81.0	82.2	82.7	83.3	83.8	83.8	83.9	84.1	84.1	84.3
IV 900		53.3	60.6	70.3	74.6	77.7	81.3	83.0	83.3	84.2	84.7	84.7	84.8	85.0	85.0	85.2
IV 800		53.6	61.0	71.1	75.6	78.8	82.8	84.7	85.8	86.4	86.9	87.0	87.1	87.2	87.2	87.5
IV 700		53.9	61.3	72.0	76.9	80.4	84.9	87.0	87.8	89.2	89.3	89.3	89.5	90.0	90.2	90.4
IV 600		54.3	62.3	72.9	78.0	81.6	86.4	88.7	89.6	91.5	92.4	92.5	92.6	92.8	92.8	93.0
IV 500		54.3	62.3	73.2	78.3	81.9	86.9	89.6	90.9	92.2	94.3	94.3	94.5	94.6	94.9	95.1
IV 400		54.3	62.3	73.2	78.6	82.2	87.6	90.6	92.0	94.9	96.3	96.3	96.6	97.1	97.3	97.5
IV 300		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.0	97.3	97.3	98.3	98.6	98.6	98.9
IV 200		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.7	98.0	98.3	98.8	99.2	99.2	99.7
IV 100		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.7	98.0	98.3	98.8	99.2	99.3	99.7
IV 0		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	93.7	98.0	98.3	98.8	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 RAHMNDER GERMANY AAF

03-74

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		22.8	24.7	27.0	28.0	28.0	28.4	29.0	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 18000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 16000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 14000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 12000		30.7	32.7	35.5	36.7	36.8	37.2	37.8	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 10000		32.4	34.5	37.4	38.7	38.8	39.2	39.9	40.1	40.4	40.4	40.4	40.4	40.4	40.5	40.7
IV 9000		33.3	35.4	38.3	39.6	39.7	40.2	40.9	41.0	41.3	41.4	41.4	41.4	41.4	41.5	41.7
IV 8000		37.4	40.2	43.3	44.7	44.8	45.6	46.4	46.5	46.8	46.9	46.9	46.9	46.9	47.0	47.2
IV 7000		38.6	41.5	45.1	46.6	46.7	47.6	48.4	48.6	49.0	49.1	49.1	49.1	49.1	49.2	49.4
IV 6000		40.1	43.3	47.0	48.7	48.9	49.8	50.7	50.9	51.3	51.4	51.4	51.4	51.4	51.5	51.7
IV 5000		42.2	45.7	49.6	51.3	51.5	52.5	53.4	53.6	54.1	54.1	54.1	54.1	54.1	54.2	54.4
IV 4500		43.1	46.7	50.8	52.5	52.8	53.7	54.7	54.9	55.3	55.4	55.4	55.4	55.4	55.5	55.7
IV 4000		45.3	49.2	53.6	55.4	55.6	56.7	57.7	57.9	58.3	58.4	58.4	58.4	58.4	58.5	58.7
IV 3500		46.8	51.0	55.7	57.6	57.9	59.0	60.0	60.2	60.6	60.7	60.7	60.7	60.7	60.8	61.0
IV 3000		32.3	36.8	62.2	64.5	64.8	66.0	67.0	67.2	67.7	67.7	67.7	67.7	67.7	67.8	68.1
IV 2500		56.1	60.9	66.7	69.0	69.4	70.9	71.9	72.3	72.7	72.8	72.8	72.8	72.8	73.0	73.2
IV 2000		58.6	63.8	70.1	72.7	73.2	74.9	75.9	76.4	76.9	77.1	77.1	77.1	77.1	77.2	77.4
IV 1800		60.3	65.8	72.4	75.0	75.4	77.2	78.3	78.7	79.3	79.5	79.5	79.5	79.5	79.6	79.9
IV 1500		61.8	67.7	74.7	77.7	78.2	80.2	81.3	81.8	82.3	82.6	82.6	82.6	82.6	82.7	82.9
IV 1000		64.0	70.3	78.1	81.4	82.1	83.9	85.3	85.7	86.4	86.6	86.6	86.6	86.6	86.7	86.9
IV 900		65.1	71.8	79.9	82.4	84.1	86.0	87.3	88.1	88.7	89.1	89.1	89.1	89.1	89.2	89.3
IV 800		65.4	72.1	80.4	83.9	84.7	86.7	88.4	89.0	89.6	89.9	89.9	89.9	89.9	90.0	90.3
IV 700		65.6	72.7	81.1	84.7	85.6	87.7	89.3	90.2	90.8	91.2	91.2	91.2	91.2	91.3	91.6
IV 600		65.7	72.8	81.4	85.2	86.3	88.4	90.2	91.0	91.7	92.2	92.2	92.2	92.2	92.3	92.6
IV 500		66.0	73.3	82.0	86.0	87.2	89.4	91.7	92.6	93.3	94.0	94.0	94.0	94.0	94.1	94.4
IV 400		66.5	73.8	82.6	86.7	87.9	90.7	92.9	93.9	95.0	95.6	95.7	95.8	95.9	95.9	96.2
IV 300		66.6	73.8	82.8	86.9	88.2	91.2	93.6	94.7	96.1	97.0	97.1	97.3	97.4	97.5	97.8
IV 200		66.6	73.8	82.9	87.2	88.4	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7
IV 100		66.6	73.8	82.9	87.2	88.4	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7
IV 0		66.6	73.8	82.9	87.2	88.4	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7

TOTAL NUMBER OF OBSERVATIONS 2390

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30077 BAUMHOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		24.5	26.7	21.8	30.2	30.6	31.4	31.6	32.0	32.4	32.6	32.6	32.7	32.8	33.0
≥ 20000		29.6	32.2	21.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	40.1
≥ 18000		29.4	32.2	21.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	40.1
≥ 16000		29.4	32.2	21.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	40.1
≥ 14000		29.4	32.2	21.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	40.1
≥ 12000		29.4	32.2	21.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	40.1
≥ 10000		31.4	34.2	31.2	39.3	39.8	40.7	41.2	41.4	42.1	42.3	42.3	42.4	42.5	42.7
≥ 9000		32.4	35.2	32.3	40.6	41.1	42.1	42.7	42.9	43.6	43.7	43.7	43.8	43.9	44.1
≥ 8000		36.5	39.5	43.0	45.4	46.1	47.3	47.9	48.1	48.8	49.0	49.0	49.1	49.2	49.5
≥ 7000		41.6	44.8	48.6	51.8	52.0	53.5	54.2	54.4	55.2	55.3	55.3	55.4	55.5	55.8
≥ 6000		42.7	46.6	50.5	53.7	54.4	55.9	56.6	56.8	57.6	57.7	57.7	57.8	57.9	58.2
≥ 5000		44.5	48.5	52.5	55.7	56.4	57.9	58.6	58.9	59.7	59.9	59.9	60.0	60.1	60.3
≥ 4500		45.3	49.4	53.5	56.8	57.5	59.0	59.7	60.0	60.8	60.9	60.9	61.0	61.1	61.4
≥ 4000		47.0	51.3	55.6	59.0	59.7	61.2	62.1	62.4	63.2	63.4	63.4	63.5	63.6	63.9
≥ 3500		48.4	52.9	57.7	61.1	62.0	63.5	64.5	64.8	65.6	65.8	65.8	65.9	66.0	66.2
≥ 3000		52.0	56.8	62.1	66.0	66.9	68.6	69.7	69.9	71.0	71.2	71.2	71.3	71.4	71.6
≥ 2500		54.4	59.4	65.5	69.7	70.7	72.8	73.7	74.0	75.1	75.2	75.3	75.4	75.5	75.8
≥ 2000		57.1	62.4	69.0	73.6	74.6	76.8	77.8	78.3	79.6	79.8	79.8	80.0	80.0	80.2
≥ 1800		57.8	63.1	69.8	74.6	75.7	77.8	79.1	79.6	80.9	81.1	81.1	81.2	81.3	81.6
≥ 1500		59.4	65.0	71.8	76.7	77.9	80.2	81.6	82.1	83.3	83.7	83.7	83.8	83.9	84.1
≥ 1200		60.6	66.6	73.8	79.2	80.4	82.9	84.3	85.0	86.3	86.5	86.5	86.6	86.7	87.0
≥ 1000		61.6	67.8	75.0	80.9	82.2	84.9	86.3	87.1	88.3	88.7	88.7	88.8	88.9	89.2
≥ 900		62.0	68.3	75.9	81.9	83.6	86.3	88.0	88.7	90.1	90.3	90.3	90.4	90.5	90.7
≥ 800		62.1	68.6	76.4	82.8	84.7	87.4	89.1	90.0	91.4	91.6	91.6	91.7	91.8	92.1
≥ 700		62.1	68.6	76.4	82.8	84.7	87.4	89.1	90.0	91.4	91.6	91.6	91.7	91.8	92.1
≥ 600		62.1	68.6	76.4	82.8	84.7	87.4	89.1	90.0	91.4	91.6	91.6	91.7	91.8	92.1
≥ 500		62.2	68.9	77.3	84.2	86.4	90.6	92.9	94.0	95.9	96.9	97.2	97.2	97.3	97.7
≥ 400		62.2	69.0	77.3	84.3	86.5	91.0	93.2	94.6	97.4	98.1	98.2	98.3	98.4	98.7
≥ 300		62.2	69.0	77.3	84.3	86.5	91.0	93.2	94.6	97.4	98.1	98.2	98.3	98.4	98.7
≥ 200		62.2	69.0	77.3	84.3	86.5	91.0	93.2	94.6	97.4	98.1	98.2	98.3	98.4	98.7
≥ 100		62.2	69.0	77.3	84.3	86.5	91.0	93.2	94.6	97.4	98.1	98.2	98.3	98.4	98.7
≥ 0		62.2	69.0	77.3	84.3	86.5	91.0	93.2	94.6	97.4	98.1	98.2	98.3	98.4	98.7

TOTAL NUMBER OF OBSERVATIONS

2406

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAWMHOLDER GERMANY AAF

63-76

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.001
NO CEILING		24.6	27.2	29.7	30.9	31.0	31.4	31.6	31.6	31.8	31.8	31.9	31.9	31.9	31.9	31.9	32.7
≥ 20000		27.7	30.6	33.5	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 18000		27.7	30.6	33.5	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 16000		27.7	30.6	33.5	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 14000		27.7	30.6	33.5	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 12000		28.1	31.0	34.1	35.3	35.4	35.9	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.5
IV 10000		29.9	32.8	36.0	37.2	37.3	37.7	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.3	38.5
IV 9000		30.6	33.7	37.0	38.2	38.3	38.8	38.9	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.3	39.5
IV 8000		34.3	38.0	41.7	42.9	43.1	43.8	43.9	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.5
IV 7000		37.2	41.7	45.2	46.6	47.2	47.8	48.1	48.1	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.7
IV 6000		39.0	43.2	47.5	49.1	49.6	50.5	50.7	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.5
IV 5000		41.2	45.8	50.1	51.9	52.5	53.4	53.6	53.7	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.4
IV 4500		42.2	46.9	51.3	53.1	53.7	54.6	54.9	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.7
IV 4000		44.9	49.8	54.4	56.4	57.1	58.1	58.4	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.2
IV 3500		48.0	53.0	57.6	59.6	60.3	61.4	61.7	61.8	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.5
IV 3000		53.0	58.1	62.5	64.5	65.3	67.3	67.7	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.7
IV 2500		56.3	61.7	67.4	69.9	70.8	72.0	72.6	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.6
IV 2000		58.1	64.1	70.5	73.3	74.4	75.7	76.3	76.5	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.4
IV 1800		59.4	65.5	72.1	74.9	76.2	77.4	78.0	78.2	78.7	78.8	78.8	78.8	78.8	78.8	78.9	79.1
IV 1500		62.6	68.8	75.7	78.7	80.0	81.2	82.0	82.2	82.7	82.8	82.9	82.9	82.9	82.9	82.9	83.2
IV 1200		64.8	71.7	78.5	81.6	83.0	84.3	85.1	85.4	85.9	86.1	86.1	86.1	86.1	86.1	86.2	86.4
IV 1000		65.1	72.6	80.1	83.3	85.0	86.6	87.7	88.0	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.4
IV 900		65.3	72.8	81.0	84.6	86.2	87.9	89.2	89.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.9
IV 800		65.8	73.1	81.5	85.2	86.7	88.7	90.2	90.3	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.2
IV 700		66.0	73.3	81.7	85.3	87.5	89.6	91.0	91.3	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 600		66.6	73.4	82.6	86.7	89.6	90.9	92.5	92.9	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500		66.8	73.6	82.8	87.2	89.3	92.0	93.8	94.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400		66.7	73.5	82.8	87.2	89.3	92.0	93.8	94.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300		66.5	73.7	82.9	87.3	89.3	92.2	94.1	94.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200		66.8	73.7	82.9	87.3	89.3	92.2	94.1	94.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100		66.8	73.7	82.9	87.3	89.3	92.2	94.1	94.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0		66.8	73.7	82.9	87.3	89.3	92.2	94.1	94.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

6575

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.10	≥.05	≥.01
NO CEILING		23.5	25.2	27.5	29.1	29.9	30.6	31.1	31.3	31.7	32.0	32.0	32.1	32.2	32.2	32.4
≥ 20000		27.7	29.7	32.4	34.4	35.3	36.0	36.4	36.7	37.1	37.4	37.5	37.6	37.7	37.7	37.9
≥ 18000		27.7	29.7	32.4	34.4	35.3	36.0	36.4	36.7	37.1	37.4	37.5	37.6	37.7	37.7	37.9
≥ 16000		27.7	29.7	32.4	34.4	35.3	36.0	36.4	36.7	37.1	37.4	37.5	37.6	37.7	37.7	37.9
≥ 14000		27.9	29.9	32.7	34.6	35.5	36.2	36.6	36.9	37.3	37.6	37.7	37.8	37.9	37.9	38.1
≥ 12000		28.3	30.3	33.1	35.0	35.9	36.6	37.0	37.3	37.8	38.0	38.1	38.2	38.3	38.3	38.5
≥ 10000		30.2	32.6	35.3	37.2	38.2	38.9	39.3	39.6	40.0	40.4	40.4	40.6	40.7	40.7	40.9
≥ 9000		31.6	33.9	37.0	39.0	39.9	40.7	41.1	41.4	41.9	42.2	42.3	42.5	42.6	42.6	42.8
≥ 8000		33.3	37.9	41.3	43.7	44.8	45.7	46.3	46.7	47.4	47.8	47.9	48.1	48.1	48.1	48.4
≥ 7000		33.3	41.8	45.7	47.9	49.1	50.2	50.8	51.3	52.0	52.4	52.5	52.6	52.6	52.6	53.1
≥ 6000		40.1	48.3	47.6	49.9	51.1	52.3	52.9	53.5	54.2	54.6	54.8	54.9	55.0	55.1	55.3
≥ 5000		41.9	48.6	50.5	52.8	54.0	55.2	55.9	56.5	57.3	57.8	58.0	58.1	58.2	58.2	58.5
≥ 4000		42.6	51.2	53.6	54.9	56.1	56.8	57.4	58.2	58.8	58.9	59.0	59.1	59.2	59.2	59.5
≥ 3000		44.0	48.4	53.9	56.4	57.6	59.0	59.7	60.2	61.2	61.7	61.9	62.0	62.1	62.1	62.4
≥ 2500		45.5	50.0	55.7	58.4	59.7	61.1	61.8	62.4	63.3	63.8	64.0	64.1	64.2	64.2	64.4
≥ 2000		45.0	54.3	60.6	63.4	64.7	66.2	67.0	67.6	68.6	69.2	69.4	69.5	69.6	69.7	70.1
≥ 1800		51.6	57.1	63.7	66.6	67.9	69.7	70.5	71.0	72.0	72.6	72.8	72.9	73.0	73.1	73.4
≥ 1500		52.9	58.6	65.2	68.4	69.7	71.5	72.4	73.1	74.1	74.7	74.9	75.0	75.1	75.2	75.5
≥ 1200		54.0	59.9	67.0	70.2	71.7	73.5	74.4	75.2	76.2	76.8	77.0	77.1	77.2	77.3	77.6
≥ 1000		56.4	62.7	70.5	74.2	75.7	77.7	78.7	79.8	80.6	81.3	81.4	81.6	81.6	81.7	82.1
≥ 900		58.6	65.2	73.4	77.4	79.0	81.1	82.2	83.0	84.2	84.8	85.0	85.1	85.2	85.3	85.6
≥ 800		59.3	66.0	74.5	78.7	80.3	82.3	83.4	84.8	85.2	86.8	87.0	87.1	87.2	87.3	87.5
≥ 700		59.7	66.5	75.3	79.8	81.5	83.5	84.6	86.2	87.3	88.4	88.6	88.7	88.8	88.9	89.3
≥ 600		60.1	67.8	75.8	80.6	82.2	84.1	85.4	87.3	88.0	89.7	89.9	90.0	90.1	90.2	90.5
≥ 500		61.1	67.0	76.3	81.3	83.0	85.0	86.0	87.5	88.5	90.4	91.2	91.3	91.5	91.5	92.1
≥ 400		61.3	67.3	76.9	82.0	83.8	85.7	86.9	88.9	89.9	91.9	92.8	92.9	93.1	93.1	93.1
≥ 300		60.6	67.4	77.3	82.4	84.2	86.2	87.8	89.7	90.9	93.3	94.3	94.4	94.6	94.7	95.2
≥ 200		60.7	67.6	77.4	82.6	84.6	86.1	88.1	90.4	91.7	92.1	94.6	96.6	96.8	96.9	97.5
≥ 100		60.7	67.6	77.5	82.7	84.8	86.2	88.2	90.5	91.9	95.3	96.8	97.2	97.4	97.7	98.2
≥ 0		60.7	67.6	77.5	82.7	84.8	86.2	88.2	90.5	92.0	95.7	97.3	97.8	98.1	98.4	99.1
≥ 0		60.7	67.6	77.5	82.7	84.8	86.2	88.2	90.5	92.0	95.7	97.3	97.8	98.2	98.6	99.6

TOTAL NUMB OF OBSERVATIONS 2376

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14077 BAUMHOLTER GERMANY AAF

25-73

258

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

258

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	19.9	22.7	24.4	31.6	33.2	34.2	34.9	35.4	36.0	36.8	37.3	37.5	37.7	38.7	39.7	40.0
IV 18000	23.1	26.1	32.0	36.2	38.0	39.4	40.3	41.0	42.4	42.8	43.0	43.3	43.5	43.8	44.0	44.2
IV 16000	23.1	26.1	32.0	36.2	38.0	39.4	40.3	41.0	42.4	42.8	43.0	43.3	43.5	43.8	44.0	44.2
IV 14000	23.1	26.1	32.0	36.2	38.0	39.4	40.3	41.0	42.4	42.8	43.0	43.3	43.5	43.8	44.0	44.2
IV 12000	23.1	26.1	32.0	36.2	38.0	39.4	40.3	41.0	42.4	42.8	43.0	43.3	43.5	43.8	44.0	44.2
IV 10000	24.2	27.4	33.8	37.5	39.4	40.8	41.8	42.0	44.1	44.5	44.7	45.0	45.1	45.3	46.7	47.5
IV 9000	24.2	27.4	33.8	37.5	39.4	40.8	41.8	42.0	44.1	44.5	44.7	45.0	45.1	45.3	46.7	47.5
IV 8000	27.0	30.3	37.6	41.6	43.7	45.3	46.4	47.1	48.8	49.4	49.7	50.2	50.2	50.5	51.9	52.8
IV 7000	28.5	32.3	39.4	40.7	46.3	47.8	49.1	50.1	52.1	52.7	52.7	53.2	53.3	53.8	55.1	56.9
IV 6000	29.8	33.6	40.7	48.2	47.5	49.4	50.7	51.7	53.7	54.8	54.7	55.1	55.3	55.9	56.9	58.8
IV 5000	30.4	34.4	42.0	45.7	49.1	51.0	52.4	53.5	55.7	56.4	56.7	57.0	57.2	57.5	58.8	60.7
IV 4500	30.9	35.0	42.8	47.8	50.1	52.1	53.5	54.8	56.7	57.5	57.7	58.1	58.3	58.5	59.9	61.8
IV 4000	31.9	36.5	44.4	49.5	51.9	54.0	55.4	56.5	58.7	59.4	59.7	60.0	60.2	60.5	61.8	63.9
IV 3500	33.2	37.9	46.1	51.6	53.8	55.8	57.3	58.4	60.6	61.4	61.7	62.0	62.2	62.3	63.9	66.1
IV 3000	34.8	39.6	48.3	54.0	56.3	58.7	60.3	61.4	63.8	64.6	64.9	65.2	65.4	65.7	67.1	69.6
IV 2500	36.2	41.8	50.7	56.3	58.7	61.2	62.9	63.8	66.4	67.1	67.4	67.6	67.8	68.3	69.6	72.3
IV 2000	38.1	43.5	52.7	58.6	61.2	63.7	65.3	66.4	69.7	70.4	70.7	71.0	71.2	71.5	72.8	75.7
IV 1800	39.3	44.8	54.0	60.0	62.7	65.3	67.1	68.2	71.6	72.3	72.6	72.8	73.1	73.4	74.7	77.6
IV 1500	41.0	46.7	56.4	62.3	65.2	68.2	70.0	71.1	74.8	75.5	75.8	76.1	76.4	76.7	78.0	80.9
IV 1200	42.3	48.3	58.3	64.8	67.6	70.7	72.7	73.7	77.8	78.5	78.8	79.1	79.4	79.7	81.0	83.9
IV 1000	43.0	49.2	59.9	66.4	69.3	72.6	74.7	75.7	79.9	80.6	80.9	81.2	81.5	81.8	83.1	86.0
IV 900	43.9	50.0	60.8	67.4	70.4	73.8	75.9	76.9	81.2	81.9	82.2	82.5	82.8	83.1	84.4	87.3
IV 800	44.0	50.7	61.8	68.3	71.3	74.7	76.8	77.8	82.1	82.8	83.1	83.4	83.7	84.0	85.3	88.2
IV 700	44.1	51.0	62.1	69.5	72.5	75.9	78.0	79.0	83.3	84.0	84.3	84.6	84.9	85.2	86.5	89.4
IV 600	44.2	51.0	62.3	69.7	72.7	76.1	78.2	79.2	83.5	84.2	84.5	84.8	85.1	85.4	86.7	89.6
IV 500	44.3	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2
IV 400	44.4	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2
IV 300	44.5	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2
IV 200	44.6	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2
IV 100	44.6	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2
IV 0	44.6	51.3	62.8	70.3	73.3	76.7	78.8	79.8	84.1	84.8	85.1	85.4	85.7	86.0	87.3	90.2

TOTAL NUMBER OF OBSERVATIONS 2276

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

STATION 24077

RAUMHOLDER GERMANY AAF

63-70

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		10.3	13.1	16.6	19.3	20.8	23.1	24.1	24.8	26.4	27.3	27.5	27.7	28.0	28.3	29.4
≥ 18000		12.9	16.2	20.1	23.3	24.9	27.6	28.7	29.3	31.1	32.0	32.2	32.5	32.8	33.1	34.8
IV 16000		12.9	16.2	20.1	23.3	24.9	27.6	28.7	29.3	31.1	32.0	32.2	32.5	32.8	33.1	34.8
IV 14000		13.1	16.4	20.3	23.5	25.2	27.8	28.9	29.7	31.2	32.2	32.4	32.7	33.0	33.3	35.0
IV 12000		13.1	16.4	20.3	23.5	25.2	27.8	28.9	29.7	31.2	32.2	32.4	32.7	33.0	33.3	35.0
IV 10000		13.7	17.1	21.1	24.5	26.2	28.9	30.0	30.8	32.4	33.3	33.5	33.8	34.1	34.4	36.1
IV 9000		14.1	17.4	21.4	25.0	26.7	29.4	30.5	31.3	32.9	33.8	34.0	34.4	34.7	35.0	36.7
IV 8000		16.5	20.3	24.6	28.2	30.0	33.0	34.1	34.9	36.8	37.8	37.9	38.2	38.5	38.8	40.6
IV 7000		16.3	22.3	26.9	30.9	32.7	35.8	37.2	38.2	40.4	41.3	41.6	42.0	42.3	42.6	44.4
IV 6000		18.9	23.0	27.7	31.8	33.6	36.7	38.3	39.4	41.6	42.6	43.0	43.3	43.7	44.0	45.8
IV 5000		19.8	24.1	28.9	33.2	35.1	38.2	40.0	41.2	43.3	44.4	44.8	45.1	45.5	45.8	47.6
IV 4500		20.4	24.8	29.7	34.1	36.0	39.1	40.9	42.1	44.2	45.3	45.7	46.0	46.4	46.7	48.5
IV 4000		21.1	25.6	30.8	35.3	37.4	40.5	42.3	43.4	45.6	46.8	47.1	47.5	47.9	48.2	50.0
IV 3500		22.0	26.7	32.1	36.8	38.9	42.0	43.8	45.0	47.2	48.4	48.7	49.0	49.4	49.8	51.9
IV 3000		23.0	27.9	33.7	40.7	43.1	47.2	49.0	50.1	52.3	53.5	53.8	54.1	54.5	54.9	57.1
IV 2500		26.4	32.1	38.1	45.3	48.0	52.1	54.0	55.2	57.4	58.6	58.9	59.2	59.6	60.0	62.8
IV 2000		27.3	33.0	39.2	46.4	49.1	53.2	55.1	56.3	58.5	59.7	60.0	60.3	60.7	61.1	63.9
IV 1800		27.7	33.6	40.0	46.8	49.5	53.6	55.5	56.7	58.9	60.1	60.4	60.7	61.1	61.5	64.3
IV 1600		29.1	35.2	42.0	48.0	50.7	54.8	56.7	57.9	60.1	61.3	61.6	61.9	62.3	62.7	65.5
IV 1400		30.0	36.2	43.1	49.2	51.9	56.0	57.9	59.1	61.3	62.5	62.8	63.1	63.5	63.9	66.7
IV 1200		30.8	37.3	44.2	50.3	53.0	57.1	59.0	60.2	62.4	63.6	63.9	64.2	64.6	65.0	67.8
IV 1000		30.8	37.3	44.2	50.3	53.0	57.1	59.0	60.2	62.4	63.6	63.9	64.2	64.6	65.0	67.8
IV 900		32.0	38.4	45.3	51.4	54.1	58.2	60.1	61.3	63.5	64.7	65.0	65.3	65.7	66.1	68.9
IV 800		31.8	38.2	45.1	51.2	53.9	58.0	59.9	61.1	63.3	64.5	64.8	65.1	65.5	65.9	68.7
IV 700		32.8	39.4	46.3	52.4	55.1	59.2	61.1	62.3	64.5	65.7	66.0	66.3	66.7	67.1	69.9
IV 600		32.6	39.2	46.1	52.2	54.9	59.0	60.9	62.1	64.3	65.5	65.8	66.1	66.5	66.9	69.7
IV 500		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8
IV 400		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8
IV 300		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8
IV 200		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8
IV 100		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8
IV 0		32.7	39.3	46.2	52.3	55.0	59.1	61.0	62.2	64.4	65.6	65.9	66.2	66.6	67.0	69.8

TOTAL NUMBER OF OBSERVATIONS 2318

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0
NO CEILING		6.5	8.1	10.8	12.2	13.6	14.8	15.9	16.1	17.6	17.9	18.0	18.0	18.1	18.4
≥ 20000		8.9	12.7	13.7	15.4	17.0	18.2	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7
≥ 18000		8.9	10.7	13.7	15.4	17.0	18.2	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7
≥ 16000		8.9	10.7	13.7	15.4	17.0	18.2	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7
≥ 14000		8.9	10.7	13.7	15.4	17.0	18.2	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7
≥ 12000		9.0	10.8	13.7	15.5	17.0	18.4	19.8	20.1	21.7	22.1	22.2	22.3	22.4	22.7
≥ 10000		9.5	11.3	14.3	16.1	17.7	19.1	20.4	20.8	22.4	22.8	22.9	23.0	23.1	23.5
≥ 9000		9.6	11.4	14.4	16.1	17.8	19.2	20.6	21.0	22.6	23.0	23.1	23.2	23.3	23.7
≥ 8000		10.9	12.0	16.1	18.0	19.7	21.9	22.7	23.1	24.8	25.3	25.4	25.4	25.6	25.9
≥ 7000		11.2	13.2	16.7	18.8	20.5	22.2	23.8	24.2	25.9	26.4	26.5	26.6	26.7	27.0
≥ 6000		11.3	13.2	16.8	18.9	20.6	22.4	24.1	24.5	26.3	26.9	27.1	27.1	27.3	27.7
≥ 5000		11.6	13.7	17.4	19.5	21.4	23.0	25.0	25.3	27.6	28.2	28.3	28.5	28.7	29.0
≥ 4500		12.0	14.3	18.0	20.1	22.0	24.0	25.8	26.3	28.6	29.3	29.5	29.5	29.7	30.1
≥ 4000		12.2	14.4	18.2	20.3	22.2	24.2	26.0	26.6	29.0	29.7	29.9	29.9	30.1	30.4
≥ 3500		12.8	15.1	18.9	21.1	23.0	25.0	26.8	27.4	29.8	30.6	30.7	30.8	31.0	31.3
≥ 3000		13.8	16.2	20.2	22.4	24.4	26.5	28.3	28.7	31.2	32.3	32.4	32.5	32.7	33.0
≥ 2500		15.7	18.4	22.5	24.7	26.9	29.1	31.0	31.6	34.4	35.4	35.5	35.6	35.8	36.1
≥ 2000		16.8	19.8	24.2	26.4	28.6	31.0	32.9	33.5	36.5	37.6	37.8	37.8	38.0	38.4
≥ 1800		17.2	20.2	24.8	27.2	29.5	31.8	33.8	34.4	37.5	38.7	38.8	38.9	39.1	39.4
≥ 1500		19.0	22.1	27.0	29.6	32.0	34.7	36.8	37.6	40.9	42.1	42.3	42.4	42.6	42.9
≥ 1200		21.3	24.6	30.4	33.4	36.1	39.1	41.3	42.4	45.9	47.3	47.4	47.5	47.7	48.1
≥ 1000		22.7	26.3	32.8	36.3	39.0	42.2	45.2	46.3	50.7	52.6	52.8	53.0	53.2	53.5
≥ 900		23.6	27.3	33.8	37.5	40.3	44.4	47.0	48.7	53.2	55.2	55.5	55.6	55.8	56.1
≥ 800		24.6	28.3	34.4	39.2	42.6	47.2	50.9	52.6	58.2	60.2	60.5	60.6	60.8	61.2
≥ 700		24.9	29.0	36.2	40.2	43.7	48.7	53.6	55.3	62.3	64.9	65.3	65.4	65.6	65.9
≥ 600		25.0	29.2	36.3	40.9	44.5	50.2	55.5	57.6	64.9	67.7	68.2	68.3	68.5	68.8
≥ 500		25.0	29.3	36.9	41.6	45.3	51.4	56.6	59.1	67.9	71.3	72.1	72.4	72.6	72.9
≥ 400		25.1	29.3	37.0	41.8	45.6	51.9	57.4	60.0	71.0	76.0	77.2	77.7	78.0	78.3
≥ 300		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	72.2	79.2	81.6	82.0	83.2	83.5
≥ 200		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	72.9	81.1	84.5	86.4	87.6	88.3
≥ 100		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	73.0	81.2	85.1	87.6	89.5	90.9
≥ 0		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	73.0	81.2	85.1	87.7	89.7	91.1

TOTAL NUMBER OF OBSERVATIONS 2093

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 BAUMHOLTER GERMANY AAF

05-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING		4.6	6.0	8.5	9.1	9.9	10.2	10.7	10.9	12.4	12.8	12.8	12.9	12.9	13.0	13.1
≥ 20000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.3	14.3	14.3	14.3	14.6	14.8
IV 18000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.3	14.3	14.3	14.3	14.6	14.8
IV 16000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.3	14.3	14.3	14.3	14.6	14.8
IV 14000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.3	14.3	14.3	14.3	14.6	14.8
IV 12000		5.1	6.9	9.6	10.3	10.7	11.7	12.4	12.7	14.2	14.7	14.7	14.8	14.8	14.9	15.0
IV 10000		5.3	7.2	9.9	10.8	10.9	12.0	12.7	13.0	14.6	15.1	15.1	15.2	15.2	15.3	15.4
IV 9000		5.4	7.3	10.0	10.9	11.0	12.1	12.8	13.1	14.7	15.2	15.2	15.3	15.3	15.4	15.6
IV 8000		5.7	7.6	10.7	11.7	11.9	13.0	13.8	14.1	15.9	16.5	16.5	16.6	16.6	16.7	16.8
IV 7000		6.0	7.9	11.2	12.6	12.7	13.9	14.7	15.0	17.0	17.7	17.7	17.7	17.7	17.8	18.0
IV 6000		6.0	7.9	11.2	12.7	12.8	14.0	15.0	15.3	17.3	18.0	18.0	18.1	18.1	18.2	18.4
IV 5000		6.0	8.0	11.7	13.2	13.4	14.6	15.6	15.9	18.3	19.0	19.1	19.2	19.2	19.3	19.4
IV 4500		6.0	8.0	11.7	13.3	13.4	14.7	15.7	16.0	18.3	19.3	19.4	19.5	19.5	19.6	19.8
IV 4000		6.1	8.2	11.9	13.8	14.1	15.3	16.3	16.6	19.4	20.2	20.2	20.4	20.4	20.5	20.6
IV 3500		6.4	8.5	12.4	14.4	14.7	16.3	17.3	17.7	20.4	21.2	21.3	21.4	21.4	21.5	21.7
IV 3000		6.9	9.4	14.1	16.3	16.9	19.0	20.2	20.8	24.2	25.0	25.1	25.2	25.2	25.3	25.4
IV 2500		8.0	10.7	16.1	18.9	19.3	21.3	22.7	23.0	26.9	27.8	27.9	28.0	28.0	28.1	28.2
IV 2000		8.8	11.8	17.4	20.7	21.1	24.0	25.3	25.9	30.1	31.1	31.2	31.3	31.3	31.5	31.6
IV 1800		8.9	11.9	17.6	20.8	21.3	24.2	25.6	26.2	30.6	31.7	31.8	31.9	31.9	32.0	32.1
IV 1500		10.3	13.6	19.9	23.4	24.0	27.1	28.6	29.2	33.9	35.0	35.2	35.3	35.3	35.4	35.6
IV 1200		11.3	15.3	22.3	26.0	26.7	30.3	32.2	32.8	38.6	39.9	40.2	40.3	40.3	40.4	40.6
IV 1000		12.4	16.6	24.1	28.1	28.9	32.7	34.6	35.3	42.4	43.8	44.1	44.2	44.3	44.4	44.6
IV 900		12.7	17.1	24.7	29.0	30.1	34.3	36.4	37.2	43.0	44.4	44.7	44.8	44.9	45.0	45.2
IV 800		13.2	17.7	25.8	30.3	31.8	36.7	38.9	40.3	48.8	50.4	50.7	50.9	51.0	51.1	51.3
IV 700		13.3	18.1	27.1	31.9	33.4	38.9	41.2	42.7	53.9	55.8	56.1	56.4	56.6	56.7	56.9
IV 600		13.7	18.4	27.8	32.8	34.4	40.3	42.4	43.8	57.0	59.7	60.0	60.3	60.5	60.6	60.8
IV 500		13.7	18.4	27.9	33.2	34.9	41.4	43.5	44.8	62.9	67.3	67.7	68.1	68.3	68.4	68.5
IV 400		13.8	18.5	27.9	33.4	35.1	42.0	44.3	45.6	68.0	74.9	75.7	76.5	76.7	76.8	77.0
IV 300		13.8	18.5	27.9	33.4	35.1	42.1	44.3	45.7	70.2	78.3	81.7	83.3	84.2	84.7	85.2
IV 200		13.8	18.5	27.9	33.4	35.1	42.1	44.3	45.7	70.2	80.5	83.7	86.7	89.5	90.8	92.6
IV 100		13.8	18.5	27.9	33.4	35.1	42.1	44.3	45.7	70.2	80.5	83.7	86.7	90.8	92.7	98.2
IV 0		13.8	18.5	27.9	33.4	35.1	42.1	44.3	45.7	70.2	80.5	83.7	86.7	90.8	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS. 1949

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BALMORLDEP GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-2-3-1-1-1-1-

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING		1.7	1.7	1.7	5.1	5.1	9.3	11.9	12.7	19.5	20.3	20.3	20.3	20.3	20.3	21.0
≥ 20000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 18000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 16000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 14000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 12000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 10000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	20.3	21.2	21.2	22.0	22.0	22.0	22.3
≥ 9000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	21.2	22.0	22.0	22.9	22.9	22.9	23.7
≥ 8000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	21.2	22.0	22.0	22.9	22.9	22.9	23.7
≥ 7000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	21.2	22.0	22.0	22.9	22.9	22.9	23.7
≥ 6000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	21.2	22.0	22.0	22.9	22.9	22.9	23.7
≥ 5000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.4	22.0	22.9	23.7	24.6	24.6	24.6	25.4
≥ 4500		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.4	22.0	22.9	23.7	24.6	24.6	24.6	25.4
≥ 4000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.4	22.0	22.9	23.7	24.6	24.6	24.6	25.4
≥ 3500		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.4	22.0	22.9	23.7	24.6	24.6	24.6	25.4
≥ 3000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.4	22.0	22.9	23.7	24.6	24.6	24.6	25.4
≥ 2500		1.7	2.5	2.5	7.6	7.6	11.9	14.4	15.3	24.6	25.4	26.3	27.1	27.1	27.1	28.0
≥ 2000		1.7	2.5	2.5	7.6	7.6	11.9	14.4	15.3	24.6	25.4	26.3	27.1	27.1	27.1	28.0
≥ 1800		1.7	2.5	2.5	7.6	7.6	11.9	14.4	15.3	24.6	25.4	26.3	27.1	27.1	27.1	28.0
≥ 1500		1.7	2.5	2.5	10.2	10.2	13.6	17.8	18.6	28.8	30.5	31.4	32.2	32.2	33.1	33.9
≥ 1200		1.7	2.5	6.8	11.0	11.0	14.4	20.3	21.2	32.2	33.9	34.7	35.6	35.6	36.4	37.3
≥ 1000		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	33.9	35.6	36.4	37.3	37.3	38.1	38.9
≥ 900		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	33.9	35.6	36.4	37.3	37.3	38.1	38.9
≥ 800		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	33.9	35.6	36.4	37.3	37.3	38.1	38.9
≥ 700		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 600		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 500		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 400		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 300		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 200		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 100		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2
≥ 0		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	46.3	50.8	51.7	52.5	52.5	53.4	54.2

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

6677C

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING		2.0	2.2	3.4	4.9	5.1	7.1	7.8	9.5	12.7	13.7	14.4	14.7	14.7	14.5	13.4
≥ 20000		2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.4	18.1
IV 18000		2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.4	18.1
IV 16000		2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.4	18.1
IV 14000		2.0	2.2	3.4	6.1	6.6	9.0	10.3	12.0	15.2	16.1	17.1	17.4	17.4	17.5	18.3
IV 12000		2.0	2.2	3.4	6.1	6.6	9.0	10.3	12.0	15.2	16.1	17.1	17.4	17.4	17.5	18.3
IV 10000		2.0	2.2	3.4	6.1	6.6	9.0	10.3	12.0	15.2	16.1	17.1	17.4	17.4	17.6	18.3
IV 9000		2.0	2.4	3.7	6.4	6.8	9.2	10.5	12.2	15.9	16.9	17.8	18.1	18.1	18.3	19.1
IV 8000		2.0	2.4	3.7	6.4	6.8	9.2	10.5	12.2	15.9	16.9	17.8	18.1	18.1	18.3	19.1
IV 7000		2.0	2.7	4.2	6.8	7.3	9.8	11.0	12.7	16.4	17.4	18.8	19.1	19.1	19.3	20.0
IV 6000		2.0	2.7	4.2	6.8	7.3	9.8	11.0	12.7	16.4	17.4	18.8	19.1	19.1	19.3	20.0
IV 5000		2.4	3.4	4.9	7.6	8.1	10.5	12.2	13.9	17.6	18.8	20.5	21.0	21.0	21.3	22.2
IV 4500		2.4	3.4	4.9	7.6	8.1	10.5	12.2	13.9	17.6	18.8	20.5	21.0	21.0	21.3	22.2
IV 4000		2.4	3.4	4.9	7.6	8.1	10.5	12.2	13.9	17.6	18.8	20.5	21.0	21.0	21.3	22.2
IV 3500		2.4	3.4	5.1	7.8	8.3	10.8	12.5	14.2	17.8	19.1	20.8	21.3	21.3	21.5	22.2
IV 3000		2.4	3.4	5.1	7.8	8.3	10.8	12.5	14.2	17.8	19.1	20.8	21.3	21.3	21.5	22.2
IV 2500		2.4	4.2	6.8	9.5	10.5	13.4	15.6	17.4	22.0	23.2	24.9	25.4	25.4	25.7	26.6
IV 2000		2.4	4.2	6.8	9.5	10.5	13.4	15.6	17.4	22.0	23.2	24.9	25.4	25.4	25.7	26.6
IV 1800		2.7	4.9	7.3	10.3	11.0	14.2	16.6	18.8	24.0	25.2	26.9	27.4	27.4	27.6	28.9
IV 1500		3.4	5.4	10.5	13.7	14.4	18.8	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.2	35.7
IV 1200		3.4	5.4	10.5	13.7	14.4	18.8	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.2	35.7
IV 1000		3.4	5.4	10.5	13.7	14.4	18.8	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.2	35.7
IV 900		3.4	5.4	10.5	13.7	14.4	18.8	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.2	35.7
IV 800		3.4	5.4	10.5	13.7	14.4	18.8	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.2	35.7
IV 700		3.7	5.9	12.2	15.9	17.1	23.0	25.9	32.3	47.2	50.6	52.3	52.8	52.8	53.1	54.5
IV 600		3.7	5.9	12.2	15.9	17.1	23.0	25.9	32.3	47.2	50.6	52.3	52.8	52.8	53.1	54.5
IV 500		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2
IV 400		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2
IV 300		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2
IV 200		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2
IV 100		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2
IV 0		3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.7	68.2

TOTAL NUMBER OF OBSERVATIONS

409

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

36077 BAUMHOLDER GERMANY AAF

66-7C

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

29-11-100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING		2.6	2.8	3.5	5.1	5.4	7.0	8.4	9.6	10.5	10.7	11.4	11.4	11.4	11.4	12.0
≥ 20000		2.8	6.7	6.1	7.7	7.9	10.7	13.3	14.9	16.3	16.8	17.7	17.7	17.7	17.7	18.2
≥ 18000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.9	16.3	16.8	17.7	17.7	17.7	17.7	18.2
≥ 16000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.9	16.3	16.8	17.7	17.7	17.7	17.7	18.2
IV 14000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.9	16.3	16.8	17.7	17.7	17.7	17.7	18.2
IV 12000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.9	16.3	16.8	17.7	17.7	17.7	17.7	18.2
IV 10000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 9000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 8000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 7000		3.3	5.1	7.7	9.6	9.8	13.8	16.8	18.6	21.0	21.7	22.8	22.8	23.1	23.5	24.9
IV 6000		3.5	5.4	8.4	10.3	10.5	14.9	17.9	20.0	22.4	23.1	24.2	24.2	24.5	24.9	25.9
IV 5000		4.2	6.1	9.2	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 4500		4.2	6.1	9.2	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 4000		4.2	6.1	9.2	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 3500		4.2	6.1	9.2	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 3000		4.2	6.2	9.8	11.7	11.9	17.8	21.0	23.3	25.6	26.3	27.7	27.7	28.2	29.1	30.5
IV 2500		4.2	7.0	10.5	12.8	13.1	18.9	22.4	24.9	27.7	28.4	29.8	29.8	30.3	31.2	32.6
IV 2000		4.7	7.7	11.2	13.8	13.8	19.8	23.8	26.6	29.8	30.5	31.9	31.9	32.4	33.3	34.7
IV 1800		4.9	7.9	11.9	14.5	14.7	20.7	24.7	27.5	30.8	31.5	32.9	32.9	33.3	34.3	35.7
IV 1500		6.1	9.6	13.6	19.1	19.3	26.8	30.8	33.6	37.3	38.2	39.6	39.6	40.1	41.5	42.9
IV 1200		7.9	11.7	18.4	22.1	22.4	30.8	35.2	38.0	42.7	43.6	45.0	45.0	45.5	46.4	47.9
IV 1000		7.9	11.7	18.6	22.6	23.3	31.9	36.6	39.4	44.1	45.0	46.4	46.4	46.9	47.8	49.2
IV 900		7.9	12.1	19.6	23.8	24.5	32.2	36.2	41.8	47.3	48.3	49.7	49.7	50.1	51.0	52.4
IV 800		7.9	12.4	20.2	24.5	25.6	34.7	40.3	44.3	51.3	52.7	54.1	54.1	54.5	55.5	56.9
IV 700		7.9	12.9	20.7	25.2	26.3	35.9	42.4	46.4	54.8	56.2	57.6	57.6	58.0	59.0	60.4
IV 600		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 500		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 400		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 300		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 200		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 100		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 0		8.4	13.8	21.9	26.6	27.7	37.8	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

66070

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2 4000 7 1/4 1/2

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING		3.5	4.2	5.4	6.8	8.5	10.3	11.7	11.9	13.3	13.3	13.5	13.5	14.0	14.0	14.0
≥ 20000		3.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 18000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 16000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 14000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 12000		5.6	6.8	9.3	10.7	13.3	15.2	16.8	17.0	18.9	19.1	19.6	19.8	20.3	20.3	20.3
IV 10000		5.6	7.0	10.0	11.4	14.0	15.9	17.5	17.7	19.6	19.8	20.3	20.5	21.0	21.0	21.0
IV 9000		6.1	7.5	10.7	12.1	14.7	16.6	18.2	18.4	20.3	20.5	21.0	21.2	21.7	21.7	21.7
IV 8000		6.8	9.1	12.4	14.0	16.6	18.4	20.0	20.3	22.4	22.6	23.1	23.3	23.8	23.8	23.8
IV 7000		7.5	9.8	14.5	16.1	19.1	21.0	22.6	22.8	24.9	25.2	25.6	25.9	26.3	26.3	26.3
IV 6000		7.9	10.3	14.9	16.6	19.6	21.4	23.1	23.3	25.4	25.6	26.1	26.3	26.8	26.8	26.8
IV 5000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 4500		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 4000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 3500		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 3000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 2500		8.9	11.7	17.0	19.6	23.1	25.9	28.0	28.7	30.8	31.0	31.5	31.9	32.6	32.6	32.6
IV 2000		8.9	12.4	18.2	21.2	24.7	27.8	29.6	30.8	32.9	33.1	33.6	34.0	34.7	34.7	34.7
IV 1800		9.5	12.8	18.9	22.6	26.3	29.6	31.7	32.6	35.0	35.2	35.7	36.1	36.8	36.8	36.8
IV 1500		11.4	15.6	23.3	27.2	31.0	34.8	36.6	37.8	40.3	40.6	41.0	41.8	42.2	42.2	42.2
IV 1200		12.1	17.9	25.9	29.9	34.7	38.7	41.3	42.4	45.0	45.2	45.7	46.2	46.9	46.9	46.9
IV 1000		12.1	17.9	25.9	29.9	34.7	38.7	41.3	42.4	45.0	45.2	45.7	46.2	46.9	46.9	46.9
IV 900		12.8	19.3	27.7	31.7	37.5	42.9	47.6	48.0	50.3	50.5	51.0	51.5	52.0	52.0	52.0
IV 800		13.3	20.3	29.1	33.1	39.2	45.9	51.5	51.8	54.8	55.0	55.5	56.0	56.4	56.4	56.4
IV 700		13.5	20.7	30.3	34.2	41.3	48.3	53.5	53.7	56.5	56.7	57.2	57.7	58.1	58.1	58.1
IV 600		13.5	20.7	30.3	34.2	41.3	48.3	53.5	53.7	56.5	56.7	57.2	57.7	58.1	58.1	58.1
IV 500		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4
IV 400		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4
IV 300		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4
IV 200		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4
IV 100		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4
IV 0		14.5	21.9	31.5	36.8	43.1	51.3	60.4	60.9	63.9	64.1	64.6	65.0	65.4	65.4	65.4

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

66070

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-17

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING		4.2	5.3	6.6	7.9	7.9	10.0	11.1	12.4	14.5	15.8	16.1	16.1	16.3	16.3	16.3
≥ 20000		5.5	7.1	9.5	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
≥ 18000		5.5	7.1	9.5	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
≥ 16000		5.5	7.1	9.5	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
≥ 14000		5.5	7.1	9.5	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
≥ 12000		5.5	7.1	9.5	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
≥ 10000		5.5	7.1	10.0	12.1	12.4	14.7	16.3	17.6	20.3	21.6	22.6	22.9	23.2	23.2	23.2
≥ 9000		5.5	7.1	10.0	12.1	12.4	14.7	16.3	17.6	20.3	21.6	22.6	22.9	23.2	23.2	23.2
≥ 8000		6.8	8.2	11.8	13.9	14.2	16.6	18.2	19.5	22.1	23.7	24.5	24.7	25.0	25.0	25.0
≥ 7000		7.9	10.0	14.7	16.8	17.4	20.0	21.6	22.9	25.5	27.1	27.9	28.2	28.4	28.4	28.4
≥ 6000		7.9	10.0	15.3	17.4	17.9	20.3	22.1	23.4	26.3	27.9	28.7	28.9	29.2	29.2	29.2
≥ 5000		8.4	10.8	15.8	18.2	18.7	21.8	23.7	25.0	28.2	29.7	30.5	30.8	31.1	31.1	31.1
≥ 4500		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
≥ 4000		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
≥ 3500		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
≥ 3000		8.9	11.3	16.8	19.5	20.0	23.4	25.3	26.6	29.7	31.3	32.1	32.4	32.6	32.6	32.6
≥ 2500		9.2	11.6	17.6	20.3	21.6	25.0	27.6	29.2	32.6	34.2	35.0	35.2	35.5	35.5	35.5
≥ 2000		9.5	11.8	18.7	21.3	22.6	26.1	29.2	31.1	34.5	36.1	36.8	37.1	37.4	37.4	37.4
≥ 1800		9.5	11.8	18.9	21.6	22.9	26.3	30.0	31.6	35.0	36.6	37.4	37.6	37.9	37.9	37.9
≥ 1500		12.9	15.3	23.4	26.3	27.6	31.6	35.3	36.8	40.3	41.8	42.5	42.9	43.2	43.2	43.2
≥ 1200		13.2	16.3	24.7	27.6	29.2	33.7	37.9	39.7	43.2	44.7	45.5	45.8	46.1	46.1	46.1
≥ 1000		13.4	16.6	25.8	28.9	30.8	35.3	40.8	42.9	46.3	48.7	49.3	50.0	50.3	50.3	50.3
≥ 900		13.4	16.6	26.1	29.5	31.6	36.6	41.8	43.9	47.4	49.8	50.3	51.1	51.8	51.8	51.8
≥ 800		13.9	17.1	26.8	30.8	32.9	38.7	44.7	46.8	50.3	52.7	53.0	53.8	54.6	54.6	54.6
≥ 700		14.5	17.6	27.9	31.8	34.2	40.3	48.9	51.1	55.7	61.1	61.8	62.4	62.6	62.6	62.6
≥ 600		14.5	17.6	27.9	32.6	35.0	41.0	50.3	52.6	61.8	66.2	65.5	66.1	66.3	66.3	66.3
≥ 500		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
≥ 400		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
≥ 300		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
≥ 200		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
≥ 100		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
≥ 0		14.5	17.9	29.3	36.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS 360

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 RALPHOLDER GERMANY AAF

66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-10-71

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING ≥ 20000			3.4	3.4	6.9	10.3	10.3	13.8	20.7	27.6	34.5	34.5	34.5	34.5	34.5	34.5
IV 18000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 16000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 14000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 12000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 10000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 9000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 8000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 7000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 5000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 4500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 4000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 3500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 3000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 2500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 2000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	41.4	41.4	41.4	41.4	41.4	41.4
IV 1800			6.9	6.9	10.3	13.8	17.2	24.1	31.0	41.4	48.3	48.3	48.3	48.3	48.3	48.3
IV 1500			6.9	6.9	10.3	13.8	17.2	24.1	31.0	41.4	48.3	48.3	48.3	48.3	48.3	48.3
IV 1200			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 1000			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 900			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 800			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 700			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 600			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 500			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 400			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 300			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 200			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 100			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 0			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65-76

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING		3.3	5.2	7.8	10.5	11.1	12.7	14.4	14.4	24.2	24.8	26.1	26.1	26.1	26.1	26.1
≥ 20000		3.3	5.2	7.8	10.5	11.1	12.7	14.4	14.4	24.2	24.8	26.1	26.1	26.1	26.1	26.1
IV 18000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 16000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 14000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 12000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 10000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 9000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 8000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 7000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 6000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.8	27.5	28.8	28.8	28.8	28.8	28.8
IV 5000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.8	27.5	28.8	28.8	28.8	28.8	28.8
IV 4500		3.3	5.9	9.2	11.8	12.6	18.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	30.7
IV 4000		3.3	5.9	9.2	11.8	12.6	18.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	30.7
IV 3500		3.3	5.9	9.2	11.8	12.6	18.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	30.7
IV 3000		4.6	7.2	12.4	13.0	13.7	19.6	20.9	20.9	32.0	32.7	34.6	34.6	34.6	34.6	34.6
IV 2500		4.6	7.2	12.4	13.0	13.7	19.6	20.9	20.9	32.0	32.7	34.6	34.6	34.6	34.6	34.6
IV 2000		5.9	9.2	17.0	20.4	21.0	26.1	27.5	27.5	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 1800		5.9	9.2	17.0	20.4	21.0	26.1	27.5	27.5	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 1500		5.9	9.2	17.0	20.4	21.0	26.1	27.5	27.5	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 1200		5.9	9.2	17.0	20.4	21.0	26.1	27.5	27.5	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 1000		5.9	9.2	17.0	20.4	21.0	26.1	27.5	27.5	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 900		5.9	10.5	21.6	28.8	29.4	39.2	42.5	42.5	41.4	40.1	40.8	42.7	42.7	42.7	42.7
IV 800		5.9	10.5	21.6	28.8	29.4	39.2	42.5	42.5	41.4	40.1	40.8	42.7	42.7	42.7	42.7
IV 700		5.9	10.5	22.2	29.4	30.1	40.3	43.8	43.8	42.5	41.4	42.1	44.1	44.1	44.1	44.1
IV 600		5.9	10.5	22.2	29.4	30.1	40.3	43.8	43.8	42.5	41.4	42.1	44.1	44.1	44.1	44.1
IV 500		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3
IV 400		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3
IV 300		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3
IV 200		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3
IV 100		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3
IV 0		5.9	10.5	22.2	30.1	30.7	42.5	47.1	47.1	47.2	47.2	49.3	49.3	49.3	49.3	49.3

TOTAL NUMBER OF OBSERVATIONS 153

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING		2.9	3.5	3.6	7.0	7.4	9.3	10.2	10.7	13.4	14.5	15.1	15.1	15.1	15.3	15.4
≥ 20000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
≥ 18000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
≥ 16000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
IV 14000		3.9	4.5	7.4	8.9	9.3	11.6	12.8	13.4	16.5	17.6	18.2	18.2	18.2	18.4	18.6
IV 12000		3.9	4.5	7.4	8.9	9.3	11.6	12.8	13.4	16.5	17.6	18.2	18.2	18.2	18.4	18.6
IV 10000		3.9	4.5	7.6	9.1	9.5	11.8	13.0	13.6	16.7	17.8	18.4	18.4	18.4	18.6	18.8
IV 9000		3.9	4.5	7.9	9.2	9.7	12.0	13.2	13.8	16.9	18.0	18.6	18.6	18.6	18.8	19.0
IV 8000		4.1	5.4	8.9	10.3	10.7	13.2	14.5	15.1	18.6	19.6	20.2	20.2	20.2	20.5	20.7
IV 7000		4.3	5.6	9.3	11.4	11.8	14.3	15.7	16.3	20.0	21.1	21.7	21.7	21.7	21.9	22.1
IV 6000		4.8	6.2	9.9	12.0	12.4	14.9	16.3	17.1	21.3	22.3	23.1	23.1	23.1	23.3	23.5
IV 5000		4.8	6.4	10.3	12.6	13.0	15.5	17.1	17.8	22.1	23.2	24.0	24.2	24.2	24.4	24.6
IV 4500		4.8	6.5	10.5	12.6	13.0	15.5	17.1	17.8	22.3	23.6	24.2	24.4	24.4	24.6	24.8
IV 4000		4.8	6.4	10.7	12.8	13.2	15.7	17.6	18.2	22.7	24.0	24.6	24.8	24.8	25.0	25.2
IV 3500		4.8	6.4	11.6	14.0	14.5	17.1	19.0	19.6	24.6	25.6	26.2	26.4	26.4	26.7	26.9
IV 3000		5.6	7.6	13.2	16.1	16.5	19.4	21.3	21.9	26.7	27.7	28.5	28.7	28.7	28.9	29.1
IV 2500		6.4	8.5	15.9	19.4	19.8	22.7	25.0	25.6	30.4	31.6	32.2	32.4	32.4	32.6	32.8
IV 2000		8.2	10.7	18.4	22.3	22.7	25.6	28.1	28.7	34.5	35.7	36.4	36.6	36.6	36.8	37.0
IV 1800		8.2	10.7	18.4	22.3	22.7	25.6	28.1	28.7	34.5	35.7	36.4	36.6	36.6	36.8	37.0
IV 1500		9.2	11.8	20.9	25.4	25.8	28.3	30.8	31.4	37.2	38.4	39.1	39.3	39.3	39.5	39.7
IV 1200		9.7	12.4	23.1	28.9	29.3	31.8	34.3	34.9	40.9	41.5	41.7	41.7	41.7	42.1	42.3
IV 1000		10.8	13.4	26.0	32.1	32.5	35.0	37.5	38.1	44.8	45.4	45.6	45.6	45.6	46.0	46.2
IV 900		10.8	13.4	26.4	32.5	32.9	35.4	37.9	38.5	45.8	46.4	46.6	46.6	46.6	47.0	47.2
IV 800		10.8	13.4	26.9	32.7	33.1	35.6	38.1	38.7	46.8	47.4	47.6	47.6	47.6	48.0	48.2
IV 700		10.8	13.4	27.1	33.3	33.7	35.8	38.3	38.9	47.8	48.4	48.6	48.6	48.6	49.0	49.2
IV 600		10.8	13.4	27.1	33.3	33.7	35.8	38.3	38.9	47.8	48.4	48.6	48.6	48.6	49.0	49.2
IV 500		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2
IV 400		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2
IV 300		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2
IV 200		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2
IV 100		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2
IV 0		10.7	14.0	27.3	33.4	33.8	36.0	38.5	39.1	48.8	49.4	49.6	49.6	49.6	50.0	50.2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30077 BAUMHOLDBER GERMANY AAF

62-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-ZFR=111-

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING ≥ 20000		6.0	7.2	9.9	11.9	12.6	13.6	13.8	14.4	15.0	15.0	15.2	15.2	15.2	15.2	15.2
IV 18000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 16000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 14000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 12000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 10000		8.0	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 9000		8.0	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.3	19.3	20.0	20.0	20.0	20.0	20.0
IV 8000		8.4	9.9	13.2	15.2	16.9	18.7	20.0	20.8	21.4	21.4	22.0	22.0	22.0	22.0	22.0
IV 7000		8.8	11.1	15.4	17.7	19.2	21.8	23.0	23.9	24.7	24.7	25.1	25.1	25.1	25.1	25.1
IV 6000		9.9	11.5	16.0	18.3	20.0	22.6	23.9	24.7	25.7	25.9	26.3	26.3	26.3	26.3	26.3
IV 5000		10.1	11.7	16.3	18.5	20.2	23.0	24.3	25.3	26.3	27.0	27.4	27.4	27.4	27.4	27.4
IV 4500		10.3	12.1	16.7	18.9	20.4	23.3	24.9	25.7	27.0	27.6	28.0	28.0	28.0	28.0	28.0
IV 4000		10.7	12.3	17.3	19.5	21.2	24.1	25.3	26.3	27.8	28.4	28.8	28.8	28.8	28.8	28.8
IV 3500		10.9	12.2	19.8	22.4	24.1	27.0	28.4	29.4	30.9	31.3	32.1	32.1	32.1	32.1	32.1
IV 3000		12.1	14.4	21.8	24.7	26.3	29.6	31.3	32.3	33.7	34.6	35.0	35.0	35.0	35.0	35.0
IV 2500		12.8	15.2	23.3	26.3	28.6	31.9	33.7	35.0	36.6	37.4	38.1	38.1	38.1	38.1	38.1
IV 2000		13.4	16.0	24.7	27.8	30.0	33.3	35.4	36.6	38.3	40.1	40.7	40.7	40.7	40.7	40.7
IV 1800		14.6	17.3	26.3	29.6	31.9	35.4	37.2	38.3	40.7	42.0	42.6	42.6	42.6	42.6	42.6
IV 1500		17.1	20.0	30.3	34.0	36.6	39.9	41.8	43.0	45.3	46.3	47.1	47.1	47.1	47.1	47.1
IV 1200		17.9	21.6	32.9	36.6	39.9	44.4	46.5	47.7	50.8	51.9	52.5	52.5	52.5	52.5	52.5
IV 1000		18.9	23.3	34.2	40.3	43.3	48.8	51.6	52.9	56.8	58.6	59.3	59.3	59.3	59.3	59.3
IV 900		19.3	24.1	37.0	41.6	44.2	49.8	52.7	54.1	58.0	59.9	60.3	60.3	60.3	60.3	60.3
IV 800		20.0	24.7	38.1	42.6	45.3	51.6	55.1	56.6	61.1	63.0	63.6	63.6	63.6	63.6	63.6
IV 700		20.2	24.9	38.3	42.8	45.7	52.3	55.8	57.2	62.0	64.6	65.2	65.2	65.2	65.2	65.2
IV 600		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 500		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 400		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 300		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 200		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 100		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2
IV 0		20.6	25.9	39.7	44.4	47.3	53.3	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.2

TOTAL NUMBER OF OBSERVATIONS

436

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

14077 3A WOLTER GERMANY AAF

65-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-14-65

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING		9.1	11.0	13.2	15.4	15.6	16.7	16.9	16.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥ 20000		12.4	14.3	17.3	19.4	20.9	21.9	23.2	23.4	23.8	24.1	24.1	24.1	24.1	24.1	24.1
IV 18000		12.4	14.3	17.3	19.4	20.9	21.9	23.2	23.4	23.8	24.1	24.1	24.1	24.1	24.1	24.1
IV 14000		12.4	14.3	17.3	19.4	20.9	21.9	23.2	23.4	23.8	24.1	24.1	24.1	24.1	24.1	24.1
IV 14000		12.7	14.8	17.7	19.8	21.3	22.4	23.5	23.8	24.3	24.5	24.5	24.5	24.5	24.5	24.5
IV 12000		12.7	14.8	17.7	19.8	21.3	22.4	23.5	23.8	24.3	24.5	24.5	24.5	24.5	24.5	24.5
IV 10000		12.9	15.0	18.1	20.3	21.7	22.8	24.1	24.3	24.7	24.9	24.9	24.9	24.9	24.9	24.9
IV 9000		13.3	15.6	18.6	20.7	22.2	23.2	24.3	24.7	25.1	25.3	25.3	25.3	25.3	25.3	25.3
IV 8000		13.7	16.2	19.6	21.9	23.4	24.3	25.7	25.9	26.4	26.6	26.6	26.6	26.6	26.6	26.6
IV 7000		14.3	17.1	20.9	23.2	24.7	25.7	27.0	27.2	27.6	27.8	27.8	27.8	27.8	27.8	27.8
IV 6000		15.8	18.6	22.6	24.9	26.4	27.6	29.1	29.3	29.7	30.0	30.0	30.0	30.0	30.0	30.0
IV 5000		16.0	18.8	23.0	25.3	26.8	28.1	29.5	29.7	30.4	31.0	31.0	31.0	31.0	31.0	31.0
IV 4500		16.0	18.8	23.0	25.3	26.8	28.1	29.5	29.7	30.4	31.0	31.0	31.0	31.0	31.0	31.0
IV 4000		16.5	19.2	23.4	25.9	27.4	28.4	30.4	30.6	31.4	31.9	31.9	31.9	31.9	31.9	31.9
IV 3500		16.9	20.0	24.7	27.2	28.7	30.2	31.5	31.9	32.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 3000		20.9	24.3	29.3	31.9	33.3	34.8	36.3	36.7	37.8	38.4	38.4	38.4	38.4	38.4	38.4
IV 2500		23.2	27.6	33.1	35.7	37.2	38.8	40.3	40.7	42.2	42.8	42.8	42.8	42.8	42.8	42.8
IV 2000		26.2	31.0	38.0	40.7	42.8	44.8	46.0	46.6	48.2	48.8	48.8	48.8	48.8	48.8	48.8
IV 1800		27.8	32.5	40.9	43.9	46.0	47.7	49.2	49.8	51.5	52.1	52.1	52.1	52.1	52.1	52.1
IV 1500		30.2	36.3	44.1	47.5	49.8	51.9	53.6	54.2	56.1	56.8	57.0	57.0	57.0	57.0	57.0
IV 1200		32.5	39.0	47.9	52.3	55.1	57.4	59.1	59.7	61.6	62.2	62.4	62.4	62.4	62.4	62.4
IV 1000		33.3	40.7	50.4	55.1	58.4	60.8	63.7	64.2	67.1	67.7	67.9	67.9	67.9	67.9	67.9
IV 900		33.8	41.3	51.7	56.3	59.7	62.4	65.4	66.0	68.8	69.4	69.6	69.6	69.6	69.6	69.6
IV 800		33.8	41.3	51.7	56.3	59.7	62.4	65.4	66.0	68.8	69.4	69.6	69.6	69.6	69.6	69.6
IV 700		34.0	41.4	52.1	57.8	61.2	64.6	67.9	68.6	71.3	72.2	72.4	72.4	72.4	72.4	72.4
IV 600		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 500		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 400		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 300		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 200		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 100		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4
IV 0		34.2	42.0	53.6	60.1	63.7	67.9	71.1	72.4	75.5	76.2	76.4	76.4	76.4	76.4	76.4

TOTAL NUMBER OF OBSERVATIONS 474

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 94MMHOLDER GERMANY AAF

65770

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

140000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000		13.3	14.8	19.0	21.7	21.9	21.9	22.3	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 18000		16.6	18.6	23.0	25.9	27.0	27.4	28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 16000		16.6	18.6	23.0	25.9	27.0	27.4	28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 14000		16.8	18.8	23.2	26.1	27.2	27.7	28.8	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 12000		16.8	18.8	23.2	26.1	27.2	27.7	28.8	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 10000		17.7	19.7	24.1	27.0	28.1	28.5	29.6	30.1	30.8	31.0	31.0	31.0	31.0	31.0	31.0
≥ 9000		17.9	19.9	24.3	27.2	28.3	28.8	29.9	30.3	31.0	31.2	31.2	31.2	31.2	31.2	31.2
≥ 8000		19.8	21.7	26.1	29.0	30.1	30.8	31.9	32.3	33.2	33.4	33.4	33.4	33.4	33.4	33.4
≥ 7000		21.7	23.9	28.8	32.1	33.2	33.8	35.0	35.4	36.3	36.5	36.5	36.5	36.5	36.5	36.5
≥ 6000		22.3	24.8	29.6	33.0	34.1	34.7	35.8	36.3	37.4	37.8	37.8	37.8	37.8	37.8	37.8
≥ 5000		22.6	25.0	30.3	33.8	35.0	35.6	36.7	37.1	38.2	38.6	38.6	38.6	38.6	38.6	38.6
≥ 4500		22.6	25.0	30.3	33.8	35.0	35.6	36.7	37.1	38.2	38.6	38.6	38.6	38.6	38.6	38.6
≥ 4000		23.3	25.9	31.4	35.0	36.1	36.7	37.8	38.2	39.3	39.7	39.7	39.7	39.7	39.7	39.7
≥ 3500		23.7	26.3	32.3	35.8	36.9	37.5	38.6	39.0	40.1	40.5	40.5	40.5	40.5	40.5	40.5
≥ 3000		26.3	29.4	36.1	39.8	40.9	41.5	42.6	43.0	44.1	44.5	44.5	44.5	44.5	44.5	44.5
≥ 2500		29.0	32.5	40.0	44.9	46.0	46.6	47.7	48.1	49.2	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2000		30.3	34.3	43.1	49.1	50.2	50.8	51.9	52.3	53.4	53.8	53.8	53.8	53.8	53.8	53.8
≥ 1800		31.0	35.4	44.0	50.0	51.1	51.7	52.8	53.2	54.3	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1500		32.0	36.3	45.0	51.9	53.0	53.6	54.7	55.1	56.2	56.6	56.6	56.6	56.6	56.6	56.6
≥ 1200		34.1	39.6	50.4	58.0	59.1	60.7	61.8	62.2	63.3	63.7	63.7	63.7	63.7	63.7	63.7
≥ 1000		35.0	41.8	53.7	61.1	62.2	63.8	64.9	65.3	66.4	66.8	66.8	66.8	66.8	66.8	66.8
≥ 900		35.0	41.8	53.7	61.1	62.2	63.8	64.9	65.3	66.4	66.8	66.8	66.8	66.8	66.8	66.8
≥ 800		35.2	42.0	54.4	62.8	64.4	65.9	67.0	67.4	68.5	68.9	68.9	68.9	68.9	68.9	68.9
≥ 700		35.6	43.1	55.8	64.8	66.4	67.9	69.0	69.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9
≥ 600		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 500		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 400		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 300		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 200		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 100		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9
≥ 0		35.8	43.4	56.4	65.7	67.3	68.8	70.0	70.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9

TOTAL NUMBER OF OBSERVATIONS

452

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 BAUMHOLDER GERMANY AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2-2-66

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		5.4	16.1	16.1	17.9	19.6	25.0	25.0	25.0	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IV 20000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 18000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 16000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 14000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 12000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 10000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 9000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 8000		7.1	23.2	23.2	25.0	26.8	32.1	33.9	33.9	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 7000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 6000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 5000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 4500		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 4000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 3500		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 3000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 2500		8.9	26.8	28.6	30.4	32.1	35.7	37.5	37.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 2000		10.7	32.1	33.9	35.7	37.5	41.1	42.9	42.9	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 1800		10.7	32.1	33.9	35.7	37.5	41.1	42.9	42.9	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 1500		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 1200		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 1000		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 900		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 800		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 700		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 600		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 500		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 400		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 300		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 200		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 100		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 0		12.5	33.9	35.7	37.5	39.3	42.9	44.6	44.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2

TOTAL NUMBER OF OBSERVATIONS 56

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

26077 STATION: BAUMHOLDER GERMANY AAF

05070

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

320-220

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	0
NO CEILING ≥ 20000	2.4	1.8	5.5	12.7	17.6	18.2	21.2	21.8	21.8	24.8	26.1	26.1	27.3	27.3	27.3	29.1
IV 18000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	29.1	30.3	30.3
IV 16000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	29.1	30.3	30.3
IV 14000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	29.1	30.3	30.3
IV 12000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	29.1	30.3	30.3
IV 10000	2.4	6.7	13.9	19.4	20.0	23.0	23.6	23.6	26.7	27.9	27.9	29.1	29.1	29.7	30.9	31.5
IV 9000	2.4	6.7	13.9	19.4	20.0	23.0	23.6	23.6	26.7	27.9	27.9	29.1	29.1	29.7	30.9	31.5
IV 8000	2.4	7.3	15.2	20.6	21.2	24.2	24.8	24.8	28.5	29.7	29.7	30.9	30.9	31.5	32.7	33.9
IV 7000	2.4	7.3	15.2	20.6	21.2	24.2	24.8	24.8	28.5	29.7	29.7	30.9	30.9	31.5	32.7	33.9
IV 6000	2.4	7.3	16.4	21.8	22.4	25.5	26.1	26.1	29.7	30.9	30.9	32.1	32.1	32.7	33.9	34.5
IV 5000	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	33.3	34.5	34.5
IV 4500	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	33.3	34.5	34.5
IV 4000	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	33.3	34.5	34.5
IV 3500	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	33.3	34.5	34.5
IV 3000	2.4	7.3	18.2	23.6	24.2	27.9	29.1	29.1	32.7	33.9	33.9	35.2	35.2	35.8	37.0	37.0
IV 2500	2.4	7.3	18.2	23.6	24.2	27.9	29.1	29.1	32.7	33.9	33.9	35.2	35.2	35.8	37.0	37.0
IV 2000	3.0	7.9	18.8	24.2	24.8	28.5	29.7	29.7	33.9	35.2	35.2	36.4	36.4	37.0	38.2	38.2
IV 1800	3.0	7.9	18.8	24.2	24.8	28.5	29.7	29.7	33.9	35.2	35.2	36.4	36.4	37.0	38.2	38.2
IV 1500	3.6	9.1	22.4	26.1	26.7	30.3	31.5	31.5	35.2	36.4	36.4	37.6	37.6	38.2	39.4	39.4
IV 1200	4.2	9.7	23.0	27.0	27.6	31.2	32.4	32.4	36.4	37.6	37.6	38.8	38.8	39.4	40.6	40.6
IV 1000	4.2	9.7	23.0	27.0	27.6	31.2	32.4	32.4	36.4	37.6	37.6	38.8	38.8	39.4	40.6	40.6
IV 900	4.2	9.7	24.2	27.6	28.2	32.4	33.6	33.6	37.6	38.8	38.8	39.4	39.4	40.6	41.8	41.8
IV 800	4.2	9.7	24.2	27.6	28.2	32.4	33.6	33.6	37.6	38.8	38.8	39.4	39.4	40.6	41.8	41.8
IV 700	4.2	9.7	24.2	27.6	28.2	32.4	33.6	33.6	37.6	38.8	38.8	39.4	39.4	40.6	41.8	41.8
IV 600	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 500	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 400	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 300	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 200	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 100	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0
IV 0	4.2	10.3	25.5	29.4	30.0	33.6	34.8	34.8	38.8	40.0	40.0	41.2	41.2	41.8	43.0	43.0

TOTAL NUMBER OF OBSERVATIONS 165

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ 0
NO CEILING ≥ 20000	4.8	9.5	14.3	15.9	16.7	18.0	18.4	18.6	20.2	20.5	20.5	20.9	21.1	21.3	22.5
IV 18000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 16000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 14000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 12000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 10000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 9000	6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 8000	7.2	13.6	19.2	22.3	23.1	24.6	25.2	25.6	28.7	29.3	29.3	29.8	30.0	30.2	31.4
IV 7000	8.3	15.1	21.7	25.0	25.8	27.3	28.1	28.5	31.6	32.4	32.4	32.9	33.1	33.3	34.5
IV 6000	8.3	15.1	22.3	26.0	26.7	28.3	29.1	29.3	32.6	33.3	33.3	33.9	34.1	34.3	35.5
IV 5000	9.1	16.1	23.1	26.7	27.3	29.1	29.8	30.2	33.5	34.3	34.3	35.1	35.3	35.5	36.6
IV 4500	9.1	16.1	23.1	26.7	27.3	29.1	29.8	30.2	33.5	34.3	34.3	35.1	35.3	35.5	36.6
IV 4000	9.1	16.1	23.1	26.7	27.3	29.1	29.8	30.2	33.5	34.3	34.3	35.1	35.3	35.5	36.6
IV 3500	9.3	16.3	24.0	27.7	28.3	30.0	31.0	31.4	34.7	35.7	35.7	36.2	36.4	36.6	37.8
IV 3000	10.5	17.8	25.6	29.8	30.3	32.9	34.3	34.7	38.6	39.5	39.5	40.1	40.3	40.7	41.9
IV 2500	10.9	18.2	26.7	31.2	32.4	34.5	36.4	37.0	40.7	41.9	41.9	42.4	42.8	43.0	44.2
IV 2000	12.6	20.7	29.0	35.1	36.2	38.8	40.7	41.8	45.8	46.7	46.7	47.5	47.9	48.1	49.2
IV 1800	12.6	20.7	29.0	35.1	36.2	38.8	40.7	41.8	45.8	46.7	46.7	47.5	47.9	48.1	49.2
IV 1600	14.3	24.6	33.7	41.5	42.8	46.1	48.4	49.4	53.5	54.8	54.8	55.0	55.8	56.4	57.8
IV 1400	14.3	24.6	33.7	41.5	42.8	46.1	48.4	49.4	53.5	54.8	54.8	55.0	55.8	56.4	57.8
IV 1200	14.3	24.6	33.7	41.5	42.8	46.1	48.4	49.4	53.5	54.8	54.8	55.0	55.8	56.4	57.8
IV 1000	14.3	24.6	33.7	41.5	42.8	46.1	48.4	49.4	53.5	54.8	54.8	55.0	55.8	56.4	57.8
IV 900	15.9	26.9	40.3	48.1	50.2	54.8	59.5	61.0	66.3	68.4	68.4	69.4	70.0	70.2	71.3
IV 800	16.9	28.1	42.6	50.6	52.7	58.1	63.0	64.8	70.3	72.5	72.5	73.4	74.0	74.2	75.4
IV 700	16.9	28.1	42.6	50.6	52.7	58.1	63.0	64.8	70.3	72.5	72.5	73.4	74.0	74.2	75.4
IV 600	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 500	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 400	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 300	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 200	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 100	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2
IV 0	17.2	28.7	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.1	78.3	78.9	79.1	80.2

TOTAL NUMBER OF OBSERVATIONS

326

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14077 BAUMHOLTER GERVANY AAF

6577

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-207-21-

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		11.9	14.8	17.5	19.3	19.9	20.7	21.1	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000		14.6	18.1	21.6	23.6	24.4	25.2	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 18000		14.6	18.1	21.6	23.6	24.4	25.2	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 16000		14.6	18.1	21.6	23.6	24.4	25.2	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 14000		14.6	18.1	21.6	23.6	24.4	25.2	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 12000		14.6	18.1	21.6	23.6	24.4	25.2	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 10000		15.0	18.7	22.4	24.8	25.5	26.7	27.5	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 9000		15.2	19.1	22.8	25.3	26.1	27.2	28.1	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 8000		15.6	19.7	23.6	26.1	26.9	28.1	29.0	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6
IV 7000		16.2	20.9	25.3	27.9	29.0	30.4	31.4	31.6	32.0	32.0	32.2	32.2	32.2	32.2	32.2
IV 6000		16.9	21.2	26.1	28.7	30.0	31.4	32.4	32.6	32.9	32.9	33.1	33.1	33.1	33.1	33.1
IV 5000		16.6	21.4	26.8	29.2	30.8	32.2	33.1	33.3	33.9	34.1	34.3	34.3	34.3	34.3	34.3
IV 4500		16.6	21.4	26.7	29.4	31.0	32.4	33.3	33.5	34.1	34.3	34.5	34.5	34.5	34.5	34.5
IV 4000		17.2	22.0	27.5	30.2	32.0	33.8	34.5	34.7	35.3	35.5	35.7	35.7	35.9	35.9	35.9
IV 3500		17.7	23.0	29.2	32.0	33.7	35.5	36.5	36.6	37.2	37.4	37.6	37.6	37.8	37.8	37.8
IV 3000		19.3	24.8	31.0	33.1	35.8	38.8	40.0	40.4	40.9	41.1	41.3	41.3	41.5	41.5	41.5
IV 2500		20.7	26.9	34.1	35.8	41.1	43.3	44.4	44.8	45.8	46.0	46.2	46.2	46.4	46.4	46.4
IV 2000		23.8	30.8	38.6	44.1	46.6	49.1	50.7	51.3	52.2	52.4	52.6	52.6	52.8	52.8	52.8
IV 1800		25.0	32.7	40.9	46.4	48.9	51.5	53.6	54.2	55.2	55.4	55.6	55.6	55.8	55.8	55.8
IV 1500		25.2	33.8	43.0	48.0	51.1	53.8	56.4	57.4	58.4	58.7	58.9	58.9	59.1	59.1	59.1
IV 1200		30.8	40.5	50.5	57.1	60.2	63.2	66.1	67.4	68.8	69.0	69.2	69.2	69.4	69.4	69.4
IV 1000		32.4	43.2	54.4	61.6	65.1	68.8	71.9	73.3	73.6	73.6	73.8	73.8	74.0	74.0	74.0
IV 900		33.1	44.2	55.4	63.2	66.9	71.2	74.3	75.8	76.2	76.4	76.6	76.6	76.8	76.8	76.8
IV 800		33.9	46.0	57.5	66.1	70.2	74.7	78.2	79.7	80.5	80.8	81.0	81.0	81.2	81.2	81.2
IV 700		33.9	46.2	57.9	67.1	71.2	76.0	79.5	81.3	82.2	82.4	82.6	82.6	82.8	82.8	82.8
IV 600		34.1	46.8	58.5	67.8	71.7	77.0	81.3	83.2	84.1	84.3	84.5	84.5	84.7	84.7	84.7
IV 500		34.1	46.8	58.5	67.8	72.1	77.6	81.9	84.0	85.1	85.3	85.5	85.5	85.7	85.7	85.7
IV 400		34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	85.7	85.9	86.1	86.1	86.3	86.3	86.3
IV 300		34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	85.7	85.9	86.1	86.1	86.3	86.3	86.3
IV 200		34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	85.7	85.9	86.1	86.1	86.3	86.3	86.3
IV 100		34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	85.7	85.9	86.1	86.1	86.3	86.3	86.3
IV 0		34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	85.7	85.9	86.1	86.1	86.3	86.3	86.3

TOTAL NUMBER OF OBSERVATIONS... 213

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20077 BAUMHOLDER GERMANY AAF

6576

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-07-64

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000		14.9	18.0	21.1	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 18000		17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 16000		17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 14000		17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 12000		17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 10000		19.3	23.4	27.7	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 9000		19.3	23.4	27.7	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 8000		19.3	23.4	27.7	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 7000		20.5	25.5	30.4	31.9	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV 6000		20.5	25.5	31.5	32.9	33.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 5000		20.9	26.3	32.1	33.5	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
IV 4500		21.3	26.7	32.7	34.2	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 4000		22.2	28.2	34.2	35.6	36.9	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 3500		22.4	28.6	34.8	36.2	37.5	37.7	38.1	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 3000		23.1	31.3	38.1	40.4	42.2	42.7	43.1	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 2500		28.8	36.0	44.1	47.0	48.9	49.7	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 2000		32.9	41.0	49.7	52.8	54.7	55.7	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 1800		35.0	43.7	53.2	56.7	58.3	59.8	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 1500		42.9	52.4	62.5	67.1	69.2	71.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200		45.3	55.3	66.0	71.2	73.3	75.8	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1000		47.0	56.7	68.3	74.1	76.6	79.7	81.8	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 900		47.6	57.6	69.3	76.0	78.5	81.6	83.6	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 800		48.2	58.4	71.2	77.8	80.3	84.7	86.7	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 700		48.4	58.8	72.0	78.3	82.6	86.7	89.0	89.6	90.9	91.3	91.3	91.3	91.3	91.3	91.3
IV 600		48.7	59.0	72.3	78.7	83.0	88.0	90.7	92.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8
IV 500		48.9	59.2	72.5	79.9	83.2	88.4	91.5	93.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4
IV 400		48.9	59.2	72.5	79.9	83.2	88.4	91.5	93.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4
IV 300		48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	95.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 200		48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	95.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 100		48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	95.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 0		48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	95.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

423

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

14077 STATION BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-11-17-

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000		15.6	19.0	23.8	24.7	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
IV ≥ 18000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 16000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 14000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 12000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 10000		20.6	24.9	29.7	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IV 9000		21.0	25.2	30.1	31.2	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 8000		22.7	27.2	32.3	33.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 7000		23.8	29.9	35.1	36.6	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000		24.7	31.4	37.0	38.7	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 5000		24.9	31.6	37.9	39.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 4500		25.1	31.8	38.1	40.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 4000		26.8	33.3	40.5	42.4	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 3500		29.0	35.9	43.1	45.0	46.1	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3000		32.3	40.0	48.5	50.6	51.7	52.4	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 2500		34.0	42.6	51.7	54.5	56.1	56.7	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 2000		39.8	49.6	59.5	62.2	64.5	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 1800		42.9	52.6	62.6	66.0	68.4	69.3	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 1500		46.5	57.6	68.2	72.1	74.5	75.3	75.5	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1200		48.7	60.2	71.0	76.4	79.0	79.9	80.5	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1000		49.1	60.8	72.3	78.8	81.8	82.8	84.6	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 900		49.8	61.5	72.2	80.3	83.3	83.7	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800		49.8	61.9	72.8	81.4	84.4	87.7	88.3	89.2	89.8	90.0	90.0	90.0	90.0	90.0	90.0
IV 700		49.8	61.9	74.2	82.0	85.1	88.3	89.2	89.8	90.7	91.1	91.1	91.1	91.1	91.1	91.1
IV 600		50.0	62.6	74.9	82.7	85.7	89.2	90.0	91.3	92.9	93.5	93.5	93.5	93.5	93.5	93.5
IV 500		50.0	63.0	75.9	83.5	86.6	90.2	91.6	92.9	95.0	95.7	95.7	95.7	95.7	95.7	95.7
IV 400		50.0	63.0	75.8	83.5	86.6	90.3	91.6	93.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 300		50.0	63.0	75.8	83.5	86.6	90.3	91.6	93.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 200		50.0	63.0	75.8	83.5	86.6	90.3	91.6	93.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 100		50.0	63.0	75.8	83.5	86.6	90.3	91.6	93.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 0		50.0	63.0	75.8	83.5	86.6	90.3	91.6	93.1	95.2	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 462

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3A077 BAUMHOLDER GERMANY AAF

65#66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-10-66

CEILING (FEET)	VISIBILITY STATUS: MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING		11.3	17.7	19.4	25.8	25.8	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000		12.9	21.0	22.6	29.0	29.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 18000		12.9	21.0	22.6	29.0	29.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 16000		12.9	21.0	22.6	29.0	29.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 14000		12.9	21.0	22.6	29.0	29.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 12000		12.9	21.0	22.6	29.0	29.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 10000		14.5	22.6	24.2	30.6	30.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 9000		14.5	22.6	24.2	30.6	30.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 8000		14.5	24.2	25.8	32.3	32.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 7000		17.7	29.0	30.6	37.1	37.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 6000		17.7	29.0	30.6	37.1	37.1	40.3	40.3	40.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 5000		17.7	29.0	32.3	40.3	40.3	43.5	43.5	43.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 4500		17.7	29.0	32.3	40.3	40.3	43.5	43.5	43.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 4000		17.7	29.0	32.3	40.3	40.3	43.5	43.5	43.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 3500		17.7	29.0	32.3	41.9	41.9	46.8	46.8	46.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 3000		19.4	30.6	32.3	43.5	43.5	48.4	48.4	48.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500		21.0	32.3	37.1	50.0	50.0	55.1	55.1	55.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2000		21.0	32.3	40.3	55.1	55.1	62.9	62.9	62.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 1800		21.0	35.5	40.3	59.7	59.7	67.7	67.7	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 1500		22.6	40.3	45.2	64.5	64.5	72.7	72.7	72.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1200		24.2	41.9	46.8	67.7	71.0	79.0	79.0	79.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1000		24.2	41.9	46.8	67.7	71.0	79.0	79.0	79.0	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 900		24.2	41.9	46.8	67.7	71.0	80.6	80.6	80.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 800		24.2	41.9	48.4	69.4	72.6	83.9	83.9	83.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 700		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 600		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 500		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 300		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 200		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 100		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 0		24.2	41.9	50.0	72.6	75.8	85.5	85.5	85.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER, GERMANY, AAF

65=71

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22-7-65

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		15.4	20.1	21.9	23.7	25.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	29.0	29.0	29.4
≥ 20000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
≥ 18000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
≥ 16000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
≥ 14000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
≥ 12000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
≥ 10000		18.3	23.7	25.4	27.2	29.6	32.5	32.5	32.5	32.5	33.1	33.1	33.1	34.3	34.3	34.9
≥ 9000		18.3	23.7	25.4	27.2	29.6	32.5	32.5	32.5	32.5	33.1	33.1	33.1	34.3	34.3	34.9
≥ 8000		18.3	23.7	25.4	27.2	29.6	32.5	32.5	32.5	32.5	33.1	33.1	33.1	34.3	34.3	34.9
≥ 7000		19.5	27.6	29.6	31.4	33.7	37.3	37.3	37.3	37.3	38.5	38.5	38.5	39.6	39.6	40.0
≥ 6000		20.1	28.4	30.2	32.5	35.5	39.1	39.1	39.1	40.2	40.8	40.8	40.8	42.0	42.0	42.4
≥ 5000		21.3	30.8	33.1	36.1	39.1	43.8	43.8	43.8	45.0	45.6	45.6	45.6	46.7	46.7	47.3
≥ 4500		21.3	30.8	33.1	36.1	39.1	43.8	43.8	43.8	45.0	45.6	45.6	45.6	46.7	46.7	47.3
≥ 4000		21.9	31.4	34.3	37.3	40.2	46.2	46.2	46.2	47.9	48.5	48.5	48.5	49.7	49.7	50.3
≥ 3500		21.9	31.4	34.3	37.3	40.2	46.2	46.2	46.2	47.9	48.5	48.5	48.5	49.7	49.7	50.3
≥ 3000		22.5	32.5	37.9	42.0	45.0	51.5	52.1	52.1	53.8	54.4	54.4	54.4	55.6	55.6	56.2
≥ 2500		23.1	33.7	38.5	43.2	46.2	52.7	53.3	53.3	55.0	55.6	55.6	55.6	56.8	56.8	57.4
≥ 2000		26.0	36.7	42.6	47.5	51.5	58.0	58.6	58.6	60.7	61.5	61.5	61.5	62.3	62.3	62.9
≥ 1800		26.0	36.7	42.6	47.5	51.5	58.0	58.6	58.6	60.7	61.5	61.5	61.5	62.3	62.3	62.9
≥ 1500		27.8	38.5	43.2	48.0	52.1	58.6	59.2	59.2	61.5	62.3	62.3	62.3	63.3	63.3	63.9
≥ 1200		28.4	39.1	43.8	48.5	52.7	59.2	59.8	59.8	62.3	63.3	63.3	63.3	64.3	64.3	64.9
≥ 1000		29.0	40.2	45.0	49.7	54.4	60.7	61.5	61.5	63.3	64.3	64.3	64.3	65.3	65.3	65.9
≥ 900		29.0	40.2	45.0	49.7	54.4	60.7	61.5	61.5	63.3	64.3	64.3	64.3	65.3	65.3	65.9
≥ 800		29.0	40.2	45.0	49.7	54.4	60.7	61.5	61.5	63.3	64.3	64.3	64.3	65.3	65.3	65.9
≥ 700		29.0	40.2	45.0	49.7	54.4	60.7	61.5	61.5	63.3	64.3	64.3	64.3	65.3	65.3	65.9
≥ 600		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 500		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 400		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 300		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 200		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 100		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9
≥ 0		30.2	42.0	46.2	50.3	54.4	61.5	62.3	62.3	64.3	65.3	65.3	65.3	66.3	66.3	66.9

TOTAL NUMBER OF OBSERVATIONS 109

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLTER GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		19.5	22.8	23.3	26.4	28.8	29.7	29.9	30.1	30.3	30.5	30.5	30.7	30.9	31.1	31.3
≥ 20000		21.6	25.5	28.0	29.3	31.5	32.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	35.1
IV 18000		21.6	25.5	28.0	29.3	31.9	32.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	35.1
IV 16000		21.6	25.5	28.0	29.3	31.9	32.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	35.1
IV 14000		21.6	25.5	28.0	29.3	31.9	32.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	35.1
IV 12000		22.0	25.9	23.6	29.9	32.4	32.6	34.0	34.2	34.4	34.7	34.9	35.1	35.3	35.3	35.7
IV 10000		22.6	26.4	29.2	30.5	33.2	34.4	34.7	34.9	35.1	35.5	35.7	35.9	36.1	36.1	36.5
IV 9000		23.4	27.4	30.1	31.5	34.2	35.2	35.7	35.9	36.1	36.5	36.7	36.9	37.1	37.1	37.5
IV 8000		24.7	29.2	32.2	34.0	36.7	38.2	38.8	39.0	39.2	39.8	40.0	40.3	40.5	40.5	40.9
IV 7000		25.1	30.5	33.8	35.5	38.6	40.3	41.1	41.3	41.5	42.1	42.3	42.7	42.9	42.9	43.3
IV 6000		26.4	31.1	34.7	36.7	40.0	41.7	42.5	42.7	42.9	43.4	43.6	44.0	44.2	44.2	44.6
IV 5000		27.8	32.0	37.1	39.4	43.1	45.2	46.1	46.3	46.5	47.1	47.3	47.7	47.9	47.9	48.3
IV 4500		27.8	32.0	37.6	40.2	44.0	46.1	47.1	47.3	47.5	48.2	48.5	48.8	49.0	49.0	49.4
IV 4000		29.2	32.4	40.0	42.1	46.7	49.0	50.0	50.4	51.0	51.5	51.7	52.1	52.3	52.3	52.7
IV 3500		30.1	33.3	41.1	44.2	47.9	50.2	51.2	51.5	52.1	52.7	52.9	53.3	53.5	53.5	54.1
IV 3000		32.4	37.8	44.0	47.3	51.0	53.7	54.6	55.0	55.6	56.2	56.4	56.8	56.9	56.9	57.5
IV 2500		33.0	38.6	45.6	48.8	52.5	55.4	56.6	56.9	57.5	58.1	58.3	58.7	58.9	58.9	59.5
IV 2000		34.9	41.1	49.0	52.3	56.2	59.5	61.0	61.4	62.2	63.2	63.5	63.9	64.1	64.1	64.7
IV 1800		34.9	41.1	49.6	52.7	56.9	60.8	62.5	62.7	63.7	64.9	65.1	65.4	65.6	65.6	66.2
IV 1500		37.3	46.2	52.7	56.2	60.4	64.3	66.2	66.8	68.0	69.1	69.3	69.7	69.9	69.9	70.5
IV 1200		37.6	46.6	53.3	57.1	61.8	65.2	68.3	68.9	70.3	71.4	71.6	72.0	72.2	72.2	72.8
IV 1000		39.2	48.5	56.9	61.6	66.2	71.2	74.3	75.1	76.4	77.6	77.8	78.2	78.4	78.4	79.0
IV 900		39.2	48.5	56.9	61.8	66.2	71.2	74.3	75.1	76.4	77.6	77.8	78.2	78.4	78.4	79.0
IV 800		39.4	48.7	57.3	62.4	67.0	72.8	77.0	77.8	79.2	80.3	80.5	80.9	81.1	81.1	81.7
IV 700		40.0	47.5	58.7	64.3	69.3	75.5	80.1	80.9	83.2	84.6	84.7	85.1	85.3	85.3	85.9
IV 600		40.3	48.1	59.3	65.1	70.1	76.6	81.5	82.4	84.1	85.8	85.9	86.4	86.6	86.6	87.2
IV 500		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4
IV 400		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4
IV 300		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4
IV 200		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4
IV 100		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4
IV 0		40.3	48.6	59.8	65.6	70.8	77.8	82.8	83.8	85.2	87.0	87.1	87.6	87.8	87.8	88.4

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

6571

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000		24.9	25.2	27.7	28.1	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 18000		27.2	28.9	32.0	33.5	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000		27.2	28.9	32.0	33.5	34.1	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000		27.2	28.9	32.0	33.7	34.3	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 12000		27.2	28.9	32.0	33.7	34.3	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 10000		28.3	30.3	33.7	35.5	36.0	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 9000		28.3	30.3	33.7	35.5	36.0	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 8000		29.3	31.6	35.1	37.0	37.6	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 7000		30.3	32.4	36.0	38.0	38.5	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 6000		31.0	33.3	37.4	39.3	40.1	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 5000		31.4	33.7	38.0	40.3	40.7	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 4500		31.6	33.9	38.3	40.3	41.0	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 4000		32.2	34.8	41.2	43.2	43.9	44.3	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 3500		33.3	37.8	43.5	45.5	46.2	46.6	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3000		33.5	42.2	48.2	50.1	51.1	52.0	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 2500		42.6	46.1	52.6	54.7	55.9	57.0	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2000		49.3	53.0	59.9	62.0	63.2	64.4	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1800		50.5	54.3	61.5	64.0	65.5	66.9	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 1500		53.0	57.6	65.3	68.4	70.1	72.8	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1200		53.4	58.0	67.4	72.3	74.2	77.5	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1000		53.8	59.2	69.9	75.0	77.5	82.1	82.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 900		53.5	59.2	70.3	75.5	78.0	82.9	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 800		54.3	60.1	76.1	77.3	80.2	85.2	86.9	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700		54.5	60.5	78.0	78.6	81.7	87.1	88.8	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 600		55.1	61.5	74.4	80.0	83.0	88.8	91.1	91.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 500		55.1	61.5	74.6	80.2	83.2	89.0	91.3	93.3	94.6	95.0	95.0	95.0	95.0	95.0	95.0
IV 400		55.1	61.5	74.6	80.5	83.6	89.6	92.2	94.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1
IV 300		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	98.5	98.5	98.5	98.5	98.5	98.5
IV 200		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	98.5	98.5	98.5	98.5	98.5	98.5
IV 100		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	98.5	98.5	98.5	98.5	98.5	98.5
IV 0		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 319

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLZER GERMANY AAF

05-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-6-4-4

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000		20.7	21.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 18000		25.5	27.7	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 16000		25.5	27.7	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 14000		25.5	27.7	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 12000		26.9	27.7	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 10000		27.7	29.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 9000		27.7	29.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 8000		29.9	31.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 7000		30.7	32.5	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 6000		31.5	33.3	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 5000		31.9	33.7	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 4500		32.3	34.1	35.5	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 4000		33.1	35.5	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 3500		36.1	38.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 3000		43.6	46.0	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2500		52.4	55.2	58.6	59.6	60.6	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 2000		60.2	63.7	67.5	68.7	70.2	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800		61.2	65.5	69.5	70.7	72.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1500		66.1	69.3	74.1	73.7	77.5	78.7	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1200		65.2	70.9	75.1	80.1	82.5	83.7	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000		66.5	72.9	76.9	82.7	85.9	87.8	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		66.5	73.1	81.1	83.9	86.1	88.0	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800		66.9	73.5	81.9	84.7	86.9	89.0	89.0	90.2	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700		67.1	73.9	82.7	85.7	88.2	91.0	91.4	92.4	93.0	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600		67.3	74.9	83.7	86.9	89.6	92.6	93.0	94.0	94.6	95.0	95.2	95.2	95.2	95.2	95.2
≥ 500		67.5	74.9	85.7	86.9	89.8	93.0	93.6	95.2	96.2	96.6	96.8	96.8	96.8	96.8	96.8
≥ 400		67.5	74.9	85.7	87.4	90.4	94.6	95.8	97.2	98.4	99.0	99.6	99.6	99.6	99.6	99.6
≥ 300		67.5	74.9	85.7	87.4	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200		67.5	74.9	85.7	87.4	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100		67.5	74.9	85.7	87.4	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 50		67.5	74.9	85.7	87.4	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 498

USAF ETAC FCAM JUL 61 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAHMOLDER, GERMANY AAF

65071

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		24.3	26.4	26.8	26.8	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000		29.5	31.8	32.1	32.1	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 18000		29.5	31.8	32.1	32.1	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 16000		29.5	31.8	32.1	32.1	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 14000		29.7	32.0	32.3	32.3	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 12000		29.7	32.0	32.3	32.3	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 10000		31.0	33.5	34.9	34.9	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 9000		31.6	34.2	35.8	35.8	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 8000		34.1	37.0	38.7	38.7	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 7000		35.0	40.0	41.8	42.1	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 6000		36.4	40.6	43.1	43.3	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 5000		37.0	41.5	44.1	44.4	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 4500		38.7	43.3	45.8	46.0	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 4000		41.4	46.7	49.2	49.4	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 3500		45.8	51.2	54.0	54.2	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 3000		50.8	56.5	59.8	60.3	61.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500		55.0	61.1	65.7	65.9	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2000		58.2	64.6	69.7	71.1	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1800		58.8	65.9	71.1	72.8	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1500		62.1	70.1	76.6	78.9	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1200		63.0	71.3	79.3	81.8	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1000		64.0	72.6	81.2	84.1	86.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900		64.3	73.0	81.6	84.5	86.8	88.7	89.1	89.5	89.7	90.4	90.4	90.4	90.4	90.4	90.4
IV 800		64.2	72.2	82.0	85.6	87.9	89.7	90.4	90.8	91.6	92.3	92.3	92.3	92.3	92.3	92.3
IV 700		64.4	73.4	82.6	86.4	89.1	91.4	92.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2
IV 600		64.9	74.2	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 400		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 200		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 100		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 0		64.9	74.3	83.5	87.2	90.2	92.9	93.9	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS

472

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 BAWMHOLDER GERMAN AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14 or 24

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	15.0	16.7	16.7	18.3	18.3	18.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 20000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 18000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 16000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 14000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 12000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 10000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 9000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 8000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 7000	25.0	26.7	28.3	31.7	31.7	31.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 6000	25.0	26.7	28.3	31.7	31.7	31.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 5000	30.0	33.3	36.7	41.7	41.7	41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 4500	30.0	33.3	36.7	41.7	41.7	41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 4000	30.0	33.3	36.7	41.7	41.7	41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 3500	31.7	35.0	38.3	43.3	43.3	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 3000	35.0	40.0	43.3	48.3	48.3	48.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2500	35.0	41.7	50.0	60.0	60.0	60.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2000	36.7	43.3	50.0	60.0	60.0	60.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1500	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1200	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1000	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 900	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 800	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 700	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 600	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 500	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 400	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 300	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 200	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 100	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 0	43.3	50.0	60.0	70.0	70.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		17.4	22.5	25.8	27.0	27.0	27.5	28.7	28.7	29.8	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000		20.2	25.8	29.8	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 18000		20.2	25.8	29.8	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 16000		20.2	25.8	29.8	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 14000		20.2	25.8	29.8	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 12000		20.2	25.8	29.8	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 10000		21.9	27.5	31.5	32.6	32.6	33.1	34.3	34.3	36.0	36.5	36.5	36.5	36.5	36.5	36.5
IV 9000		21.9	27.5	31.5	32.6	32.6	33.1	34.3	34.3	36.0	36.5	36.5	36.5	36.5	36.5	36.5
IV 8000		26.4	33.1	37.1	38.8	38.8	39.3	41.0	41.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3
IV 7000		27.5	34.8	39.9	42.1	42.1	42.7	44.4	44.4	46.1	46.6	46.6	46.6	46.6	46.6	46.6
IV 6000		28.1	35.4	41.0	43.8	43.8	44.4	46.6	46.6	48.3	48.9	48.9	48.9	48.9	48.9	48.9
IV 5000		30.3	38.2	43.8	46.6	46.6	47.2	50.0	50.0	52.2	52.8	52.8	52.8	52.8	52.8	52.8
IV 4500		30.9	39.3	44.9	47.8	47.8	48.3	51.1	51.7	53.4	53.9	53.9	53.9	53.9	53.9	53.9
IV 4000		32.0	40.4	47.2	50.6	50.6	51.1	53.9	54.5	56.3	56.7	56.7	56.7	56.7	56.7	56.7
IV 3500		32.6	41.6	48.3	51.7	51.7	52.2	55.1	55.6	57.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000		33.7	42.7	50.6	53.9	53.9	54.5	57.9	58.4	60.7	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500		34.3	43.3	51.1	55.6	55.6	56.1	59.5	60.7	62.4	62.9	62.9	62.9	62.9	62.9	62.9
IV 2000		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1800		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1500		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1200		37.6	48.9	57.3	63.5	63.5	64.6	67.4	69.1	71.9	73.0	73.0	73.0	73.0	73.0	73.0
IV 1000		38.2	49.4	58.0	65.2	65.2	66.3	69.1	71.9	74.7	75.8	75.8	75.8	75.8	75.8	75.8
IV 900		38.8	51.1	60.7	66.9	66.9	67.4	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 800		38.8	51.1	60.7	66.9	66.9	67.4	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 700		38.8	51.1	60.7	66.9	66.9	67.4	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 600		38.8	51.1	60.7	66.9	66.9	67.4	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 500		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3
IV 400		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3
IV 300		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3
IV 200		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3
IV 100		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3
IV 0		39.9	52.2	63.5	69.7	69.7	70.8	73.6	75.8	78.6	80.3	80.3	80.3	80.3	80.3	80.3

TOTAL NUMBER OF OBSERVATIONS. 178

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

84077 BAUMHOLTER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/5	≥ 1/10	≥ 0
NO CEILING		23.7	27.9	31.0	32.7	32.7	32.9	33.6	34.2	34.8	34.8	34.8	34.8	35.1	35.4	35.4
≥ 20000		26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.0
IV 18000		26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.0
IV 16000		26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.0
IV 14000		26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.0
IV 12000		26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.0
IV 10000		26.9	31.6	35.5	37.8	37.9	38.1	38.9	39.6	40.4	40.4	40.4	40.4	40.7	40.9	41.2
IV 9000		27.9	32.7	36.6	38.9	39.1	39.3	40.0	40.7	41.5	41.5	41.5	41.5	41.8	42.1	42.4
IV 8000		32.3	37.9	42.4	44.9	45.0	45.2	46.2	46.9	47.7	47.9	47.9	47.9	48.2	48.4	48.8
IV 7000		33.8	38.9	43.7	46.4	46.5	46.9	47.9	48.6	49.7	49.9	49.9	49.9	50.3	50.5	51.4
IV 6000		34.0	40.2	45.2	48.0	48.6	49.2	50.3	51.0	52.1	52.3	52.3	52.3	52.7	52.9	53.3
IV 5000		36.4	42.2	48.4	51.2	51.8	52.7	53.8	54.6	55.7	55.9	55.9	55.9	56.3	56.4	56.8
IV 4500		36.8	43.6	49.0	51.8	52.3	53.3	54.4	55.1	56.3	56.4	56.4	56.4	56.8	57.0	57.4
IV 4000		37.4	44.5	50.5	53.3	53.8	54.8	55.9	56.6	57.8	57.9	57.9	57.9	58.3	58.5	58.9
IV 3500		38.7	46.4	52.7	55.5	56.3	57.2	58.3	59.1	60.2	60.4	60.4	60.4	60.7	60.9	61.3
IV 3000		40.9	49.0	56.1	59.4	60.2	61.3	62.6	63.4	64.8	64.7	64.7	64.7	65.0	65.2	65.6
IV 2500		41.5	50.1	57.4	60.9	61.7	63.2	64.7	65.8	67.1	67.3	67.3	67.3	67.9	68.0	68.4
IV 2000		43.0	52.0	60.0	63.9	64.7	66.7	68.2	69.7	71.2	71.6	71.6	71.6	72.0	72.1	72.7
IV 1800		43.2	52.3	60.4	64.5	65.2	67.3	68.8	70.3	71.8	72.1	72.1	72.1	72.5	72.7	73.3
IV 1500		44.7	54.3	62.4	66.7	67.7	69.9	71.4	72.9	74.4	75.0	75.0	75.0	75.3	75.5	76.1
IV 1200		46.5	56.6	65.8	70.8	71.8	74.0	75.5	77.0	78.7	79.3	79.3	79.3	79.6	79.8	80.4
IV 1000		47.3	57.4	67.3	72.3	73.3	75.9	77.8	79.6	81.3	81.9	81.9	81.9	82.2	82.6	83.2
IV 900		47.3	57.8	67.9	73.1	74.2	76.6	78.5	80.4	82.1	82.6	82.6	82.6	83.0	83.4	83.9
IV 800		48.0	58.7	69.2	74.4	75.9	78.2	80.4	82.2	83.9	84.5	84.5	84.5	84.9	85.2	85.8
IV 700		48.0	58.7	69.5	75.0	76.4	79.1	81.1	83.2	85.2	85.8	85.8	85.8	86.2	86.5	87.1
IV 600		48.6	59.4	70.5	75.9	77.6	80.9	83.0	85.4	87.7	88.2	88.2	88.2	88.6	89.0	89.5
IV 500		48.6	59.4	70.8	76.3	78.1	81.9	84.7	87.5	90.9	91.0	91.0	91.0	91.6	92.0	92.5
IV 400		48.8	59.6	71.4	77.0	78.9	83.2	86.2	89.8	92.3	92.6	92.6	92.6	93.4	93.7	94.3
IV 300		48.8	59.6	71.8	77.8	79.6	83.9	86.9	89.8	93.3	94.5	94.5	94.5	95.0	95.9	96.8
IV 200		48.8	59.6	71.8	77.8	79.6	83.9	87.1	89.7	93.6	94.1	94.1	94.1	95.7	96.6	97.0
IV 100		49.8	59.6	71.8	77.8	79.6	83.9	87.1	89.7	94.2	94.7	94.7	94.7	96.8	97.6	98.1
IV 0		49.8	59.6	71.8	77.8	79.6	83.9	87.1	89.7	94.2	94.7	94.7	94.7	96.8	97.6	98.1

TOTAL NUMBER OF OBSERVATIONS 535

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36077 BAWHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-2-5-7-1-

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1.5	≥1	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING		22.0	22.8	24.8	25.6	25.7	26.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 20000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 18000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 16000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 12000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 10000		32.4	33.3	36.3	37.6	37.8	38.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 9000		33.3	34.1	37.0	38.2	38.5	39.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 8000		37.4	39.4	42.8	44.3	44.4	45.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 7000		38.5	40.6	44.4	46.1	46.5	47.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 6000		39.6	41.9	45.7	47.4	47.8	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5000		41.3	43.7	47.6	49.4	49.8	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4500		41.3	43.9	47.8	49.6	50.0	50.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 4000		42.8	45.4	49.3	51.1	51.5	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 3500		43.7	46.5	50.6	52.6	53.0	54.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 3000		51.7	54.6	60.0	62.0	62.4	63.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 2500		53.2	58.8	64.3	66.5	67.0	68.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 2000		56.7	60.0	66.9	69.1	70.0	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1800		58.2	61.9	69.1	71.3	72.4	73.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1500		60.6	64.6	73.1	76.5	78.0	79.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200		64.8	69.3	78.7	82.2	83.7	85.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1000		66.3	71.3	80.7	84.4	85.9	87.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900		66.3	71.3	81.3	85.2	86.7	88.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 800		66.7	72.0	82.4	86.2	87.8	89.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700		66.7	72.0	82.6	86.9	88.5	90.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600		67.2	73.0	83.7	88.1	90.0	92.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 500		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 400		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 200		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 100		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0		67.6	73.3	84.1	88.3	90.4	93.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 RAJMHOLDER GERMANY AAF

05770

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000		22.7	23.6	24.9	25.8	25.8	26.6	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 18000		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 16000		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 14000		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 12000		32.3	33.3	34.6	35.5	35.5	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 10000		34.6	35.7	37.0	37.9	37.9	38.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 9000		35.8	36.4	37.7	38.7	38.7	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 8000		38.3	39.4	40.7	41.6	41.6	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 7000		39.2	40.5	42.2	43.1	43.1	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 6000		40.2	41.6	43.3	44.2	44.2	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 5000		42.2	43.7	45.5	46.5	46.5	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 4500		43.1	44.6	47.0	48.0	48.0	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000		46.3	48.3	51.5	52.6	52.6	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3500		48.3	51.7	55.0	56.1	56.1	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3000		57.2	59.9	63.8	64.9	64.9	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500		65.4	68.6	72.7	73.8	73.8	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2000		68.4	71.7	76.2	77.7	77.7	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1800		70.6	74.5	79.6	81.0	81.0	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500		72.7	77.0	82.2	83.6	83.6	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1200		73.5	79.9	86.1	87.7	87.7	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000		76.4	81.4	87.9	89.8	89.8	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900		77.3	82.5	89.0	90.9	90.9	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 800		77.3	82.9	89.4	91.3	91.3	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700		77.7	83.5	90.0	92.4	92.4	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 600		77.7	83.5	90.0	92.4	92.4	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 0		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 338

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLDEK GERMANY AAF
STATION NAME

65770
EAST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1954-1957

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/32
NO CEILING		24.2	25.0	27.4	27.7	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 20000		24.1	25.0	28.0	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 18000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 16000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 14000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 12000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 10000		37.4	38.4	41.3	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 9000		38.9	39.9	42.8	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 8000		44.1	45.4	48.4	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000		45.8	47.5	50.7	51.2	51.2	52.0	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3
IV 6000		49.0	50.7	54.4	54.9	54.9	55.7	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 5000		51.6	53.6	57.5	58.1	58.1	58.6	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 4500		53.8	56.1	60.0	60.5	60.7	61.5	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000		57.5	59.8	63.7	64.2	64.4	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500		58.7	61.5	65.7	66.5	66.7	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000		64.4	67.2	72.3	73.2	73.4	74.3	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500		68.7	71.7	76.7	77.8	78.2	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000		72.8	76.7	81.8	82.9	83.2	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800		76.0	80.1	85.7	86.8	87.2	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500		76.9	81.6	87.2	88.3	88.6	90.1	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200		77.5	82.5	88.3	89.9	90.3	91.8	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANLY AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING		27.4	29.0	30.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 20000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000		43.2	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000		43.2	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000		46.8	48.4	51.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 8000		46.8	48.4	51.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 7000		51.6	54.8	59.7	64.5	64.5	64.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000		51.6	54.8	59.7	64.5	64.5	64.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000		54.8	58.1	62.9	67.7	67.7	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500		59.7	62.9	67.7	72.6	72.6	72.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000		59.7	62.9	67.7	72.6	72.6	72.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500		62.9	66.1	70.0	74.2	74.2	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000		62.9	66.1	70.0	74.2	74.2	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 2500		66.1	71.0	75.9	80.8	80.8	80.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000		66.1	71.0	75.9	80.8	80.8	80.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1800		67.7	72.6	80.8	88.7	88.7	88.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500		67.7	72.6	80.8	88.7	88.7	88.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600		67.7	72.6	82.3	90.3	90.3	90.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 500		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

52

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING ≥ 20000													66.7	66.7	66.7	100.0
IV 18000													66.7	66.7	66.7	100.0
IV 16000													66.7	66.7	66.7	100.0
IV 14000													66.7	66.7	66.7	100.0
IV 12000													66.7	66.7	66.7	100.0
IV 10000													66.7	66.7	66.7	100.0
IV 9000													66.7	66.7	66.7	100.0
IV 8000													66.7	66.7	66.7	100.0
IV 7000													66.7	66.7	66.7	100.0
IV 6000													66.7	66.7	66.7	100.0
IV 5000													66.7	66.7	66.7	100.0
IV 4500													66.7	66.7	66.7	100.0
IV 4000													66.7	66.7	66.7	100.0
IV 3500													66.7	66.7	66.7	100.0
IV 3000													66.7	66.7	66.7	100.0
IV 2500													66.7	66.7	66.7	100.0
IV 2000													66.7	66.7	66.7	100.0
IV 1800													66.7	66.7	66.7	100.0
IV 1500													66.7	66.7	66.7	100.0
IV 1200													66.7	66.7	66.7	100.0
IV 1000													66.7	66.7	66.7	100.0
IV 900													66.7	66.7	66.7	100.0
IV 800													66.7	66.7	66.7	100.0
IV 700													66.7	66.7	66.7	100.0
IV 600													66.7	66.7	66.7	100.0
IV 500													66.7	66.7	66.7	100.0
IV 400													66.7	66.7	66.7	100.0
IV 300													66.7	66.7	66.7	100.0
IV 200													66.7	66.7	66.7	100.0
IV 100													66.7	66.7	66.7	100.0
IV 0													66.7	66.7	66.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

65770

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	>10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥1/8	≥0
NO CEILING		21.5	28.7	30.9	32.6	32.6	34.8	35.9	37.0	39.2	40.9	40.9	40.9	41.4	41.4	42.4
≥ 20000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 18000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 16000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 14000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 12000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 10000		23.2	30.9	34.3	37.6	38.1	40.9	42.0	43.1	48.1	49.2	49.2	49.2	49.7	49.7	50.8
IV 9000		23.8	31.5	34.8	38.7	39.2	42.0	43.1	44.2	49.2	50.3	50.3	50.3	50.8	50.8	51.9
IV 8000		26.0	33.7	38.1	42.0	42.5	45.9	47.5	48.6	54.1	55.2	55.2	55.2	55.8	55.8	56.9
IV 7000		27.1	34.8	39.8	44.2	44.8	49.2	50.8	51.9	58.0	59.1	59.1	59.1	59.7	59.7	60.8
IV 6000		27.6	35.4	40.3	44.2	45.9	50.3	51.9	53.0	59.1	60.2	60.2	60.2	60.8	60.8	61.9
IV 5000		30.4	38.7	42.6	47.5	49.7	54.1	55.8	56.9	63.5	64.6	64.6	64.6	65.2	65.2	66.3
IV 4500		30.4	38.7	44.2	48.1	50.3	54.7	56.4	57.5	64.1	65.2	65.2	65.2	65.7	65.7	66.8
IV 4000		30.9	39.2	44.8	49.2	51.9	56.4	58.0	59.7	66.3	67.4	67.4	67.4	68.0	68.0	69.1
IV 3500		30.9	39.2	45.3	49.7	52.5	56.9	59.1	60.2	66.9	68.0	68.0	68.0	68.5	68.5	69.6
IV 3000		31.5	39.8	45.9	50.3	53.0	57.5	59.7	60.8	68.0	69.1	69.1	69.1	69.6	69.6	70.7
IV 2500		32.0	40.3	46.4	50.8	53.6	58.0	60.2	61.3	68.5	69.6	69.6	69.6	70.2	70.2	71.3
IV 2000		33.1	42.0	48.6	52.6	56.4	61.3	63.5	65.2	72.4	74.0	74.0	74.0	74.6	74.6	75.7
IV 1800		33.1	42.0	49.2	54.1	56.9	61.9	64.1	65.7	72.9	74.6	74.6	74.6	75.1	75.1	76.2
IV 1500		33.7	42.6	49.7	54.7	57.5	62.4	64.6	66.3	74.0	75.7	75.7	75.7	76.2	76.2	77.3
IV 1200		34.3	43.1	50.3	55.8	58.6	63.5	65.7	67.4	75.1	76.8	76.8	76.8	77.3	77.3	78.4
IV 1000		34.8	44.2	51.4	57.5	60.2	65.7	68.0	69.6	77.3	79.0	79.0	79.0	79.6	79.6	80.7
IV 900		34.8	44.2	51.4	58.0	60.8	66.9	69.1	70.7	78.4	80.1	80.1	80.1	80.7	80.7	81.8
IV 800		34.8	44.2	51.9	58.6	61.3	68.0	70.2	71.8	80.1	82.3	82.3	82.3	82.9	82.9	84.0
IV 700		34.8	44.2	52.5	59.1	61.9	69.6	72.4	74.6	84.0	86.2	86.2	86.2	86.7	86.7	87.8
IV 600		34.8	44.8	53.0	59.7	62.0	70.7	73.9	76.2	86.2	88.4	88.4	88.4	89.0	89.0	90.1
IV 500		34.8	44.8	53.6	60.2	63.5	71.8	75.1	77.9	88.4	91.2	91.2	91.2	91.7	91.7	92.8
IV 400		35.4	45.9	54.1	60.8	64.1	72.4	75.7	79.0	89.6	92.8	92.8	92.8	93.4	93.4	94.5
IV 300		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	95.0	95.0	95.0	95.6	95.6	96.7
IV 200		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	95.0	95.0	95.0	95.6	95.6	96.7
IV 100		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	95.0	95.0	95.0	95.6	95.6	96.7
IV 0		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	95.0	95.0	95.0	95.6	95.6	96.7

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077

BAUMHOLTER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥	≥5.0	≥.4	≥0
NO CEILING		22.6	26.1	29.4	31.9	33.1	35.4	36.9	37.2	38.1	38.3	38.2	38.3	38.7	38.7	38.7
≥ 20000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 18000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 16000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 14000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 12000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 10000		25.6	29.8	35.0	38.1	39.6	42.2	44.1	44.6	45.9	46.1	46.1	46.1	46.5	46.5	46.5
IV 9000		27.0	31.3	36.7	40.0	41.5	44.1	46.1	46.7	48.0	48.1	48.1	48.1	48.5	48.5	48.5
IV 8000		27.0	34.3	40.2	43.7	45.2	48.2	50.7	51.2	52.6	52.8	52.8	52.8	53.1	53.3	53.5
IV 7000		32.2	36.7	43.1	47.2	48.9	52.6	55.0	55.7	57.0	57.2	57.2	57.2	57.6	57.8	58.0
IV 6000		32.6	37.4	43.9	48.3	50.0	53.9	56.3	57.0	58.3	58.5	58.5	58.5	58.9	59.1	59.3
IV 5000		34.2	39.4	46.1	50.6	52.2	56.1	58.7	59.4	60.7	60.9	60.9	60.9	61.3	61.5	61.7
IV 4500		34.2	39.4	46.2	50.7	52.4	56.3	58.9	59.6	60.9	61.1	61.1	61.1	61.5	61.7	61.9
IV 4000		34.6	39.8	47.0	51.7	53.2	57.4	60.2	60.9	62.2	62.4	62.4	62.4	62.8	63.0	63.2
IV 3500		35.0	40.4	48.0	52.6	54.6	58.9	62.0	62.8	64.1	64.3	64.3	64.3	64.6	64.8	65.0
IV 3000		36.3	42.0	50.0	54.6	56.7	61.1	64.4	65.2	66.5	66.7	66.7	66.7	67.0	67.2	67.4
IV 2500		36.9	42.6	50.9	55.7	57.8	62.6	66.1	67.0	68.3	68.5	68.5	68.5	68.9	69.1	69.4
IV 2000		39.4	45.6	54.3	59.0	61.7	66.9	70.7	71.9	73.2	73.4	73.4	73.4	73.8	74.0	74.3
IV 1800		40.2	46.3	55.0	60.4	62.6	67.8	71.7	73.0	75.0	75.2	75.2	75.2	75.6	75.7	75.9
IV 1500		40.7	46.9	55.6	61.1	63.3	68.5	72.3	74.1	76.1	76.3	76.3	76.3	76.7	76.9	77.0
IV 1200		41.5	47.6	56.7	62.1	64.4	69.6	73.4	75.1	77.1	77.3	77.3	77.3	77.7	77.9	78.1
IV 1000		42.4	48.9	58.3	63.8	66.1	71.9	75.7	77.4	79.4	79.6	79.6	79.6	80.0	80.2	80.4
IV 900		43.3	50.2	60.0	67.0	70.0	76.3	80.7	82.2	84.4	84.6	84.6	84.6	85.0	85.2	85.4
IV 800		43.3	50.7	60.7	68.5	72.8	78.9	83.3	85.2	87.6	87.8	87.8	87.8	88.2	88.4	88.6
IV 700		43.3	50.7	60.9	68.7	73.1	79.3	84.1	85.9	88.9	89.1	89.1	89.1	89.5	89.7	89.9
IV 600		43.3	50.9	61.1	68.9	73.3	80.2	85.0	86.9	90.2	90.4	90.4	90.4	90.8	91.0	91.2
IV 500		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0
IV 400		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0
IV 300		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0
IV 200		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0
IV 100		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0
IV 0		43.3	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.2	93.2	93.2	93.6	93.8	94.0

TOTAL NUMBER OF OBSERVATIONS

342

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

14077

RAIMHOLDER GERMANY AAF

65-71

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	22.8	24.6	28.1	29.8	30.2	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 18000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 16000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 14000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 12000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 10000	29.8	32.4	37.2	39.3	39.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 9000	30.2	32.8	37.6	40.2	40.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 8000	35.2	38.0	43.1	45.7	46.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 7000	38.9	42.4	47.6	50.2	50.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	39.8	43.3	48.5	51.7	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 5000	41.5	45.0	50.2	53.3	53.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4500	41.9	45.6	50.9	54.1	54.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 4000	42.0	46.3	52.0	55.4	55.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 3500	44.3	47.8	53.9	57.4	57.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3000	46.7	52.4	59.3	62.8	63.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 2500	51.8	55.2	63.5	67.4	67.8	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 2000	54.8	58.9	66.5	72.6	73.0	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 1800	56.3	60.4	70.0	74.1	74.4	76.3	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500	58.0	62.4	72.4	76.5	77.2	79.3	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1200	60.7	65.7	76.5	80.9	81.7	83.9	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1000	61.7	66.9	78.0	82.8	83.7	86.1	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	62.6	68.3	79.6	84.6	85.1	88.7	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	62.6	68.3	80.2	85.2	86.7	90.2	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 700	62.6	68.3	80.4	85.4	86.9	90.9	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	62.6	68.7	80.7	86.3	87.8	91.9	94.1	94.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	62.6	68.7	80.7	87.0	88.5	93.3	95.6	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 400	62.6	68.7	80.7	87.2	88.7	93.7	96.2	96.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	62.6	68.7	80.7	87.2	88.7	93.7	96.2	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	62.6	68.7	80.7	87.2	88.7	93.7	96.2	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	62.6	68.7	80.7	87.2	88.7	93.7	96.2	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	62.6	68.7	80.7	87.2	88.7	93.7	96.2	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

540

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

34077

BAUMHOLTER, GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-6-74

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		22.8	23.1	24.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 20000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 18000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 16000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 14000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 12000		30.0	30.6	31.5	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 10000		31.9	32.4	33.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 9000		32.8	33.3	34.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 8000		36.7	37.6	38.5	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 7000		42.8	44.3	45.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 6000		45.4	47.0	49.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000		46.7	48.3	50.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500		47.8	49.4	51.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 4000		49.8	51.9	53.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3500		53.7	56.3	58.7	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 3000		60.0	63.3	66.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 2500		65.9	69.3	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000		69.6	73.7	78.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1800		70.4	76.4	79.6	83.3	83.7	83.9	83.9	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4
IV 1500		73.0	77.4	83.0	86.9	87.4	88.0	88.0	88.0	88.0	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200		74.6	79.4	85.4	89.8	90.6	91.1	91.1	91.1	91.1	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000		75.6	80.6	86.5	90.9	91.9	92.6	92.8	92.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3
IV 900		75.7	80.7	86.9	91.3	92.2	93.2	93.7	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3
IV 800		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 700		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 600		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 500		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 400		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 300		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 200		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 100		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4
IV 0		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS

540

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ IAC

CEILING VERSUS VISIBILITY

34077 BACHMOLDER GERMANIA AAF

63-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-2-72

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000		30.0	31.3	32.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IV 18000		36.7	38.5	39.0	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000		36.7	38.5	39.0	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000		36.7	38.7	39.8	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 12000		37.2	39.2	40.4	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 10000		40.0	42.0	43.1	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 9000		41.3	42.5	44.6	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 8000		47.6	49.4	50.6	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000		53.4	58.0	59.6	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 6000		57.2	60.9	62.6	65.7	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000		59.4	62.5	63.2	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 4500		61.5	65.7	67.4	70.6	70.9	72.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000		63.4	70.2	71.8	73.0	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500		65.9	70.9	73.5	76.7	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000		69.4	76.6	77.6	82.2	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2500		71.1	76.5	79.3	84.4	85.2	85.9	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000		72.6	78.2	81.5	86.3	87.0	87.4	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800		73.0	78.7	81.9	87.2	88.0	88.2	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500		73.0	80.9	84.3	89.6	90.4	90.7	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200		75.7	81.9	85.2	91.5	92.0	92.4	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000		76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900		76.1	83.6	86.1	92.4	93.2	93.7	94.6	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800		76.5	83.0	86.7	93.7	94.8	95.4	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700		76.5	83.0	86.7	93.7	94.8	95.4	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600		76.5	83.0	86.7	93.7	94.8	95.4	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0		76.7	83.1	87.4	94.8	96.1	96.9	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

346

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36077 BAUMHOLTER GERMANY AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		31.7	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000		41.7	46.7	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000		41.7	46.7	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000		41.7	46.7	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000		43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000		43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 10000		43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 9000		43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 8000		45.0	50.0	55.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000		53.3	58.3	63.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000		55.0	61.7	66.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000		55.0	61.7	66.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4500		56.7	63.3	68.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4000		58.3	65.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500		58.3	65.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000		60.0	66.7	71.7	80.0	81.7	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500		60.0	66.7	71.7	81.7	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000		60.0	66.7	71.7	83.3	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800		60.0	66.7	71.7	83.3	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500		61.7	68.3	73.3	85.0	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 900		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 800		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 600		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 500		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 400		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 300		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 200		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 100		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 0		61.7	68.3	73.3	86.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34077 24740LDER GERMANY AAF

7.

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

24-23

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥ 10	≥ 5	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005	≥ .0025	≥ .001
NO CEILING > 20000												50.0	50.0	50.0	50.0	50.0
IV 18000												50.0	50.0	50.0	50.0	50.0
IV 16000												50.0	50.0	50.0	50.0	50.0
IV 14000												50.0	50.0	50.0	50.0	50.0
IV 12000												50.0	50.0	50.0	50.0	50.0
IV 10000												50.0	50.0	50.0	50.0	50.0
IV 9000												50.0	50.0	50.0	50.0	50.0
IV 8000												50.0	50.0	50.0	50.0	50.0
IV 7000												50.0	50.0	50.0	50.0	50.0
IV 6000												50.0	50.0	50.0	50.0	50.0
IV 5000												50.0	50.0	50.0	50.0	50.0
IV 4500												50.0	50.0	50.0	50.0	50.0
IV 4000												50.0	50.0	50.0	50.0	50.0
IV 3500												50.0	50.0	50.0	50.0	50.0
IV 3000												50.0	50.0	50.0	50.0	50.0
IV 2500												50.0	50.0	50.0	50.0	50.0
IV 2000												50.0	50.0	50.0	50.0	50.0
IV 1800												50.0	50.0	50.0	50.0	50.0
IV 1500												50.0	50.0	50.0	50.0	50.0
IV 1200												50.0	50.0	50.0	50.0	50.0
IV 1000												50.0	50.0	50.0	50.0	50.0
IV 900												50.0	50.0	50.0	50.0	50.0
IV 800												50.0	50.0	50.0	50.0	50.0
IV 700												50.0	50.0	50.0	50.0	50.0
IV 600												50.0	50.0	50.0	50.0	50.0
IV 500												50.0	50.0	50.0	50.0	50.0
IV 400												50.0	50.0	50.0	50.0	50.0
IV 300												50.0	50.0	50.0	50.0	50.0
IV 200												50.0	50.0	50.0	50.0	50.0
IV 100												50.0	50.0	50.0	50.0	50.0
IV 0												50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3A077 BAUMHOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥ 20000	15.3	21.5	26.6	30.5	30.5	32.2	32.2	32.2	22.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 18000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 12000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 10000	18.6	25.4	31.6	35.6	36.2	37.9	37.9	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 9000	19.2	26.6	32.8	37.3	37.9	39.5	39.5	39.5	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 8000	22.0	30.5	37.3	41.8	42.4	44.1	44.1	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 7000	24.9	32.3	41.8	46.2	47.3	49.2	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 6000	26.0	34.5	42.9	48.0	49.2	51.4	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 5000	28.2	36.7	45.2	50.8	52.0	54.8	55.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 4500	28.8	37.3	45.9	52.5	53.1	55.9	57.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 4000	31.6	40.7	49.7	56.3	57.6	60.5	61.6	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 3500	31.6	40.7	49.7	56.3	57.6	60.5	62.1	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 3000	31.6	40.7	51.4	58.8	59.9	62.7	64.4	65.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	32.2	41.8	52.5	60.5	62.7	65.3	67.3	68.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 2000	33.3	42.9	53.6	62.7	65.0	67.8	70.1	70.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1800	33.3	42.9	53.6	62.7	65.3	68.4	70.6	71.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1500	33.9	44.1	55.4	63.2	66.1	68.9	71.8	72.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 1200	33.9	44.1	55.9	63.9	66.7	69.5	72.3	72.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1000	35.6	46.3	58.2	66.7	69.5	72.3	75.1	75.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 900	35.6	46.3	58.8	67.3	70.6	73.4	76.3	76.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 800	36.2	46.9	59.9	68.9	71.8	74.6	78.3	79.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 700	36.2	46.9	59.9	68.9	71.8	74.6	78.3	79.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 600	36.7	47.5	60.5	70.1	72.9	75.7	79.7	80.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 500	36.7	47.5	60.5	71.2	74.0	76.8	80.8	81.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 400	36.7	47.5	61.0	72.3	75.1	78.3	82.5	84.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 300	37.3	48.0	61.6	72.9	75.7	79.7	83.1	84.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 200	37.3	48.0	61.6	72.9	75.7	79.7	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 100	37.3	48.0	61.6	72.9	75.7	79.7	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 0	37.3	48.0	61.6	72.9	75.7	79.7	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY, AAF

05070

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING		22.6	26.7	30.3	33.1	33.5	34.7	35.4	35.4	35.6	35.6	35.8	35.8	35.8	36.0	36.2
≥ 20000		22.9	26.2	32.0	34.6	34.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
≥ 18000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
≥ 16000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
≥ 14000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
≥ 12000		24.3	28.6	32.4	35.2	35.6	36.9	37.7	37.7	37.9	37.9	38.0	38.0	38.0	38.0	38.0
≥ 10000		25.4	29.9	33.9	36.7	37.1	38.4	39.2	39.2	39.4	39.4	39.5	39.5	39.5	39.7	40.1
≥ 9000		26.4	31.3	35.4	38.2	38.6	39.9	40.7	40.7	40.9	40.9	41.1	41.1	41.1	41.2	41.4
≥ 8000		29.6	35.6	40.7	43.5	44.1	45.4	46.1	46.1	46.3	46.3	46.5	46.5	46.5	46.7	47.1
≥ 7000		31.8	38.4	44.1	47.1	48.2	49.9	50.7	50.7	51.0	51.2	51.4	51.4	51.4	51.6	52.0
≥ 6000		33.3	41.1	46.7	50.1	51.4	53.3	54.0	54.2	54.6	54.8	55.0	55.0	55.0	55.2	55.4
≥ 5000		35.0	43.3	49.0	52.9	54.8	56.1	56.9	57.1	57.4	57.6	57.8	57.8	57.8	58.0	58.4
≥ 4500		35.6	43.9	49.7	53.9	55.2	57.1	58.0	58.2	58.6	58.8	58.9	58.9	58.9	59.1	59.5
≥ 4000		39.2	47.8	54.0	58.2	59.9	61.8	62.7	63.1	63.5	63.7	63.8	63.8	63.8	64.0	64.4
≥ 3500		39.5	48.4	54.6	58.9	60.6	62.5	63.5	63.8	64.2	64.4	64.6	64.6	64.6	64.8	65.2
≥ 3000		42.6	51.4	58.8	62.1	64.8	66.9	68.0	68.4	68.9	69.1	69.3	69.3	69.3	69.5	69.9
≥ 2500		43.7	52.9	60.6	65.7	67.6	69.7	71.2	71.9	72.7	72.9	73.1	73.1	73.1	73.3	73.5
≥ 2000		44.4	53.7	62.3	68.0	70.1	72.1	73.6	74.4	75.1	75.3	75.5	75.5	75.5	75.7	76.1
≥ 1800		44.6	53.9	62.7	68.4	70.4	72.3	74.0	74.8	75.5	75.7	75.9	75.9	75.9	76.1	76.5
≥ 1500		46.3	55.7	64.8	70.8	73.1	75.1	76.6	77.4	78.3	78.5	78.7	78.7	78.7	78.9	79.3
≥ 1200		48.4	57.8	67.6	73.6	76.1	78.2	79.7	80.6	81.3	81.7	81.9	81.9	81.9	82.1	82.3
≥ 1000		48.5	58.1	69.7	75.7	78.2	80.8	82.7	83.6	84.6	84.7	84.9	84.9	84.9	85.1	85.5
≥ 900		49.5	59.1	70.6	76.6	79.1	81.9	84.0	84.9	85.9	86.1	86.3	86.3	86.3	86.4	86.8
≥ 800		50.3	59.9	71.4	77.0	80.2	83.4	85.5	86.4	87.4	87.8	87.9	87.9	87.9	88.1	88.5
≥ 700		50.5	60.3	71.8	78.3	81.0	84.7	86.8	87.9	88.9	89.3	89.5	89.5	89.5	89.6	90.0
≥ 600		51.2	61.0	72.9	79.5	82.5	86.3	88.3	89.3	90.4	91.1	91.3	91.3	91.3	91.5	91.9
≥ 500		51.2	61.0	72.9	80.0	83.2	87.0	89.3	90.4	92.1	92.7	92.8	92.8	92.8	93.0	93.4
≥ 400		51.4	61.4	73.3	80.6	83.8	87.8	90.2	91.3	93.6	94.7	94.9	94.9	94.9	95.1	95.5
≥ 300		51.8	61.8	73.6	81.0	84.2	88.1	90.8	92.1	94.2	95.7	96.2	96.4	96.6	96.8	97.2
≥ 200		51.8	61.8	73.6	81.0	84.2	88.1	90.8	92.1	94.2	95.7	96.2	96.4	96.6	96.8	97.2
≥ 100		51.8	61.8	73.6	81.0	84.2	88.1	90.8	92.1	94.2	95.7	96.2	96.4	96.6	96.8	97.2
≥ 0		51.8	61.8	73.6	81.0	84.2	88.1	90.8	92.1	94.2	95.7	96.2	96.4	96.6	96.8	97.2

TOTAL NUMBER OF OBSERVATIONS

521

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

16077

BAUMHOLTER GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2
NO CEILING		27.2	30.1	33.3	34.1	34.1	34.1	34.1	34.3	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000		29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 16000		29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 14000		29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 12000		29.8	32.8	36.7	37.8	37.8	37.8	37.8	37.7	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9
IV 10000		30.1	33.1	37.1	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2
IV 9000		30.5	33.7	37.9	38.6	38.6	38.6	38.6	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0
IV 8000		34.3	37.5	41.8	42.7	42.7	42.9	42.9	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 7000		36.5	39.7	44.2	45.6	45.6	46.5	46.5	46.7	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9
IV 6000		37.7	41.1	45.6	46.9	47.6	48.2	48.2	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6
IV 5000		38.8	42.7	47.5	49.0	49.7	50.2	50.2	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7
IV 4500		39.2	43.1	47.8	49.3	50.1	50.7	50.7	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0
IV 4000		40.9	44.8	49.7	51.2	52.2	52.9	52.9	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3
IV 3500		43.3	47.3	52.2	53.7	54.6	55.4	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7
IV 3000		48.4	52.5	57.6	59.1	60.1	60.8	60.8	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500		52.3	57.6	62.9	64.4	65.3	66.1	66.1	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
IV 2000		54.6	59.3	65.7	67.4	68.6	69.3	69.3	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7
IV 1800		56.9	61.8	68.3	70.4	71.4	72.3	72.3	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
IV 1500		61.8	66.7	74.0	76.1	77.0	78.0	78.0	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
IV 1200		64.4	69.3	78.2	80.4	81.3	82.9	82.9	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000		65.9	71.2	81.4	84.2	85.3	87.0	87.0	87.8	87.8	88.3	89.1	89.1	89.1	89.1	89.1	89.1
IV 900		66.9	72.1	82.9	85.7	87.2	88.7	88.7	89.6	89.6	90.4	91.0	91.0	91.0	91.0	91.0	91.0
IV 800		67.0	72.9	84.0	86.8	88.3	90.2	91.1	91.3	91.3	92.1	92.7	92.7	92.7	92.7	92.7	92.7
IV 700		67.2	73.1	84.2	87.0	89.1	90.8	91.7	91.9	91.9	92.8	93.6	93.6	93.6	93.6	93.6	93.6
IV 600		67.8	74.0	85.1	88.1	90.2	92.3	92.6	93.8	93.8	95.3	96.0	96.0	96.0	96.0	96.0	96.0
IV 500		67.8	74.0	85.1	88.1	90.4	92.7	94.4	95.7	95.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2
IV 400		67.8	74.2	85.3	88.3	90.6	92.4	95.1	95.3	95.3	97.4	98.3	98.3	98.3	98.3	98.3	98.3
IV 300		67.8	74.2	85.3	88.3	90.6	92.4	95.1	95.3	95.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2
IV 200		67.8	74.2	85.3	88.3	90.6	92.4	95.1	95.3	95.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2
IV 100		67.8	74.2	85.3	88.3	90.6	92.4	95.1	95.3	95.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2
IV 0		67.8	74.2	85.3	88.3	90.6	92.4	95.1	95.3	95.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077 BACHMOLDER GERMANY AAF

65m70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 7 80

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1.4	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		23.8	25.3	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
IV 20000		28.6	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 18000		28.6	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 16000		28.6	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 14000		25.4	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 12000		28.9	30.8	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 10000		30.8	32.4	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 9000		31.0	32.0	33.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 8000		33.7	36.2	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 7000		37.7	40.2	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 6000		39.1	41.6	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 5000		41.0	43.9	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 4500		41.4	44.3	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 4000		48.9	46.7	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 3500		49.5	52.5	54.6	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 3000		58.4	61.3	63.6	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 2500		64.0	67.0	69.7	70.7	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2000		66.3	70.5	73.6	74.9	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1800		69.0	73.2	76.8	78.2	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 1500		73.3	75.2	82.4	83.7	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1200		76.6	81.4	86.2	87.5	87.9	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000		76.6	81.4	86.8	88.7	89.2	90.0	90.8	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 900		77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800		77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700		77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 500		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 400		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 300		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 200		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 100		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 0		78.4	83.1	88.7	92.0	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34077
 STATION

BAUMHOLDER GERMANY AAF
 STATION NAME

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-000000-7-1

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		30.1	30.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.6	32.6	32.6	32.6	32.6	32.6
≥ 20000		32.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7
IV 18000		35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7
IV 16000		35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7
IV 14000		35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7
IV 12000		35.4	36.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	39.1
IV 10000		38.9	40.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.5	42.5	42.5	42.5	42.5	42.5
IV 9000		39.8	41.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5
IV 8000		45.4	46.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.8	49.8	49.8	49.8	49.8	49.8
IV 7000		48.7	50.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.4	53.4	53.4	53.4	53.4	53.4
IV 6000		51.5	53.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000		55.4	57.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500		58.0	60.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.0	64.0	64.0	64.0	64.0	64.0
IV 4000		60.3	62.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500		68.1	67.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000		70.7	72.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500		73.0	76.1	80.5	81.2	81.2	81.2	81.2	81.2	81.2	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000		76.1	79.7	84.5	85.4	85.4	85.4	85.4	85.4	85.4	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800		76.8	80.5	85.2	86.2	86.2	86.2	86.2	86.2	86.2	88.1	88.1	88.1	88.1	88.1	88.1
IV 1500		79.1	82.3	88.1	89.1	89.1	89.1	89.1	89.1	89.1	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200		79.3	83.7	89.5	90.6	90.6	90.6	90.6	90.6	90.6	92.5	92.5	92.5	92.5	92.5	92.5
IV 1000		79.5	83.9	90.0	91.2	91.2	91.2	91.2	91.2	91.2	93.1	93.1	93.1	93.1	93.1	93.1
IV 900		79.7	84.1	90.4	91.6	91.6	91.6	91.6	91.6	91.6	93.3	93.3	93.3	93.3	93.3	93.3
IV 800		79.9	84.3	90.6	91.8	91.8	91.8	91.8	91.8	91.8	93.5	93.5	93.5	93.5	93.5	93.5
IV 700		80.1	84.5	90.8	92.0	92.0	92.0	92.0	92.0	92.0	93.7	93.7	93.7	93.7	93.7	93.7
IV 600		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 500		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 400		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 300		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 200		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 100		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1
IV 0		80.7	85.1	91.4	92.7	92.7	92.7	92.7	92.7	92.7	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

6:1m66

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

REMARKS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		6.5	8.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
≥ 20000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 18000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 16000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 14000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 12000		14.5	16.1	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
IV 10000		16.1	17.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
IV 9000		17.7	19.4	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
IV 8000		21.0	24.2	30.6	30.6	30.6	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 7000		24.2	27.6	35.5	35.5	35.5	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 5000		30.6	33.9	43.5	43.5	43.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 4500		33.9	37.1	46.8	46.8	46.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 4000		37.1	41.9	51.6	51.6	51.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3500		43.5	50.0	59.7	61.3	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 3000		48.4	54.8	64.5	66.1	66.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2500		50.0	56.5	67.7	69.4	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000		53.2	64.5	75.8	77.4	77.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1800		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1000		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 700		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 600		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 500		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 400		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 300		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 200		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 100		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 0		56.5	67.7	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36077 BAUMHOLDER GERMANY AAF

68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 4	≥ 0
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

26077 BAUMHOLTER GERMANY AAF

65-71

PERCENT OF FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6000-2500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING		16.0	18.2	22.7	24.8	27.9	26.5	26.5	27.1	27.6	29.8	30.4	31.5	32.0	32.1	32.7
≥ 20000		17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.4
IV 18000		17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.4
IV 16000		17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.4
IV 14000		17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.4
IV 12000		17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.4
IV 10000		17.1	19.9	24.3	28.2	28.7	30.4	30.4	30.9	31.5	34.3	35.4	37.0	37.6	37.6	39.9
IV 9000		17.1	20.4	24.9	28.7	29.2	30.9	30.9	31.5	32.6	35.4	36.5	38.1	38.7	38.7	40.9
IV 8000		18.8	22.7	28.2	32.6	33.7	35.9	35.9	36.5	37.6	40.9	42.0	43.6	44.2	44.2	46.4
IV 7000		21.5	25.4	30.9	35.4	36.5	39.2	39.2	39.8	40.9	44.2	46.4	48.1	48.6	48.6	50.9
IV 6000		22.1	26.0	32.0	37.6	38.1	40.9	40.9	41.4	42.5	46.4	48.1	49.7	50.3	50.3	52.5
IV 5000		23.8	29.8	36.5	42.0	42.0	45.9	45.9	46.4	47.5	51.4	53.0	54.7	55.2	55.2	57.4
IV 4500		23.8	29.8	36.5	42.0	42.0	45.9	45.9	46.4	47.5	51.4	53.0	54.7	55.2	55.2	57.4
IV 4000		24.9	31.5	38.1	43.7	43.7	47.5	47.5	48.1	49.2	53.0	55.2	56.9	57.5	57.5	59.7
IV 3500		25.4	32.0	38.7	44.2	44.2	48.1	48.1	48.6	49.7	53.0	55.2	56.9	58.0	58.6	61.3
IV 3000		27.6	35.4	41.4	48.6	48.6	52.5	52.5	53.0	54.7	60.2	61.9	62.5	64.1	64.6	67.4
IV 2500		27.6	35.9	44.2	49.7	50.3	54.7	54.7	55.2	56.4	61.9	63.5	65.2	65.7	66.3	69.1
IV 2000		27.6	35.9	44.2	49.7	50.3	54.7	54.7	55.2	56.4	61.9	63.5	65.2	65.7	66.3	69.1
IV 1800		27.6	35.9	44.2	49.7	50.3	54.7	55.2	55.8	56.9	62.4	64.1	65.7	66.3	66.9	69.6
IV 1500		28.2	36.5	45.3	50.8	51.9	56.4	56.4	58.0	59.1	64.6	66.2	68.0	68.5	69.1	71.8
IV 1200		28.2	36.5	45.3	50.8	51.9	56.4	56.4	58.0	59.1	64.6	66.2	68.0	68.5	69.1	71.8
IV 1000		29.3	38.1	47.5	52.5	53.0	58.0	58.0	60.2	61.3	67.4	69.1	70.2	71.8	72.4	75.7
IV 900		29.3	38.1	47.5	52.5	53.0	58.0	58.0	60.2	61.3	67.4	69.1	70.2	71.8	72.4	75.7
IV 800		29.3	38.1	47.5	52.5	53.0	58.0	58.0	60.2	61.3	67.4	69.1	70.2	71.8	72.4	75.7
IV 700		29.3	38.1	47.5	52.5	53.0	58.0	58.0	60.2	61.3	67.4	69.1	70.2	71.8	72.4	75.7
IV 600		29.3	38.1	47.5	52.5	53.0	58.0	58.0	60.2	61.3	67.4	69.1	70.2	71.8	72.4	75.7
IV 500		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3
IV 400		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3
IV 300		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3
IV 200		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3
IV 100		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3
IV 0		30.4	39.2	49.2	55.2	56.4	62.4	62.4	64.1	65.2	70.2	71.8	72.4	73.9	74.5	77.3

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 RAUMHOLDER GERMANY AAF

65470

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		20.9	22.9	26.3	28.3	29.1	30.9	32.4	32.0	34.5	35.0	35.0	35.0	35.2	35.7	35.7
≥20000		22.7	25.5	29.4	32.4	33.1	35.0	36.5	37.1	38.9	39.5	39.5	39.5	39.7	39.7	39.7
≥18000		22.7	25.5	29.4	32.4	33.1	35.0	36.5	37.1	38.9	39.5	39.5	39.5	39.7	39.7	39.7
≥16000		22.7	25.5	29.4	32.4	33.1	35.0	36.5	37.1	38.9	39.5	39.5	39.5	39.7	39.7	39.7
≥14000		22.7	25.5	29.4	32.4	33.3	35.2	36.7	37.2	39.1	39.7	39.7	39.7	39.9	39.9	40.0
≥12000		22.9	25.7	29.6	32.6	33.3	35.2	36.7	37.2	39.1	39.7	39.7	39.7	39.9	39.9	40.0
≥10000		24.0	27.0	31.1	34.1	34.8	36.7	38.2	38.7	40.6	41.2	41.2	41.2	41.3	41.3	41.3
≥9000		24.4	27.7	32.0	35.0	35.8	37.8	39.3	39.9	41.7	42.3	42.3	42.3	42.6	42.6	42.6
≥8000		27.0	31.1	36.1	39.3	40.6	42.8	44.3	45.4	48.2	48.8	49.0	49.0	49.2	49.2	49.3
≥7000		28.5	32.8	38.0	41.2	42.8	45.0	47.5	48.6	51.6	52.1	52.3	52.3	52.5	52.7	53.1
≥6000		29.2	33.5	39.1	42.3	43.9	46.7	48.6	49.7	52.7	53.3	53.4	53.4	53.6	53.6	54.2
≥5000		31.5	36.7	43.4	46.7	48.4	51.2	53.1	54.4	57.5	58.5	58.7	58.7	59.0	59.0	59.4
≥4500		31.8	37.1	43.8	47.3	49.0	51.8	53.6	54.9	58.3	59.2	59.4	59.4	59.6	59.6	60.1
≥4000		32.0	37.7	44.4	47.9	51.6	54.4	56.2	57.5	60.9	61.8	62.0	62.0	62.2	62.4	62.4
≥3500		33.5	40.2	47.3	50.8	52.7	55.5	57.5	58.8	62.2	63.1	63.3	63.3	63.5	63.7	64.1
≥3000		34.6	41.9	49.7	53.2	55.1	58.1	60.1	61.6	65.2	66.1	66.3	66.3	66.5	66.7	67.2
≥2500		35.2	42.5	50.3	54.0	55.9	59.4	61.3	62.9	66.5	67.4	67.6	67.6	67.8	68.0	68.5
≥2000		35.4	42.8	50.7	54.6	56.4	60.1	62.4	63.9	67.6	68.3	68.5	68.5	68.7	68.9	69.5
≥1800		35.8	43.2	51.0	54.9	56.8	60.5	62.8	64.2	67.8	68.7	68.9	68.9	69.1	69.3	69.7
≥1500		37.2	45.1	52.9	57.5	59.4	63.1	65.4	66.9	70.6	71.5	71.7	71.7	71.9	72.1	72.4
≥1200		38.0	46.0	54.0	59.0	60.9	65.4	67.6	69.1	73.0	73.9	74.1	74.1	74.3	74.5	75.0
≥1000		38.7	46.9	55.5	60.5	62.6	67.4	69.8	71.5	75.4	76.4	76.5	76.5	76.7	76.9	77.5
≥900		39.1	47.3	56.2	61.5	63.5	68.7	71.1	73.0	77.3	78.4	78.6	78.6	78.8	79.0	79.7
≥800		39.3	47.5	56.8	62.2	64.2	70.0	72.6	74.5	79.0	79.9	80.1	80.1	80.3	80.4	81.2
≥700		39.3	47.7	58.1	64.1	66.3	72.3	74.9	76.9	81.8	82.9	83.1	83.1	83.2	83.4	84.2
≥600		40.2	48.8	59.6	65.7	68.2	74.7	77.5	79.5	84.7	86.0	86.3	86.2	86.4	86.5	87.3
≥500		40.6	49.3	60.5	66.5	68.9	75.6	78.8	80.8	87.0	88.6	88.8	88.8	89.0	89.2	90.5
≥400		40.8	49.5	60.7	67.0	69.5	76.4	80.1	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1
≥300		40.8	49.5	60.7	67.0	69.5	76.4	80.2	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1
≥200		40.8	49.5	60.7	67.0	69.5	76.4	80.2	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1
≥100		40.8	49.5	60.7	67.0	69.5	76.4	80.2	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1
≥0		40.8	49.5	60.7	67.0	69.5	76.4	80.2	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1

TOTAL NUMBER OF OBSERVATIONS

537

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDEK GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		25.7	27.4	29.8	32.6	33.3	33.7	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 10000		32.0	34.1	37.8	40.8	41.7	42.1	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000		33.7	35.8	39.7	42.6	43.6	43.9	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000		35.9	39.1	43.4	46.7	47.7	48.0	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 7000		39.1	41.5	45.8	49.2	50.1	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000		40.2	42.8	47.9	51.2	52.1	52.9	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 5000		41.7	44.7	50.1	53.4	54.4	55.1	55.7	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4500		42.3	45.3	50.7	54.0	54.9	55.7	56.2	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000		42.8	46.4	52.3	55.9	56.8	57.9	58.5	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 3500		43.6	47.1	53.3	56.8	57.7	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3000		45.8	50.1	57.2	60.9	61.8	63.1	63.7	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 2500		49.0	53.2	60.9	64.6	65.5	66.9	67.4	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2000		50.7	55.3	63.5	67.6	68.5	69.8	70.4	70.9	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 1800		51.2	56.2	64.8	68.9	69.8	71.1	71.7	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 1500		52.6	57.2	66.9	72.7	74.7	76.4	77.1	77.8	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1200		57.0	62.9	73.0	76.6	79.7	81.4	82.1	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000		57.9	63.9	74.7	80.8	82.1	83.8	84.5	85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900		58.8	65.0	76.4	83.4	84.9	86.6	87.5	88.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800		59.6	65.7	77.3	84.9	86.4	88.2	89.4	90.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700		60.0	66.1	78.0	85.8	87.5	89.6	91.1	92.0	93.1	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600		60.3	66.5	78.6	86.4	88.3	90.7	92.9	93.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500		60.7	66.9	79.0	87.0	88.8	91.6	93.9	94.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.5	98.9	99.1	99.3	99.3	99.3	99.3
≥ 300		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.5	98.9	99.1	99.3	99.3	99.3	99.3
≥ 200		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.5	98.9	99.1	99.3	99.3	99.3	99.3
≥ 100		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.5	98.9	99.1	99.3	99.3	99.3	99.3
≥ 0		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.5	98.9	99.1	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 RAMMOLDEK GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-14-66

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING ≥ 20000	22.8	23.4	24.5	25.1	25.9	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 18000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 16000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 14000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 12000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 10000	31.2	32.0	33.5	34.1	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 9000	33.1	34.1	36.0	36.6	37.4	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 8000	37.2	38.1	40.4	41.0	41.8	42.0	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 7000	40.8	42.1	44.8	45.4	46.2	46.6	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 6000	42.1	43.7	46.6	47.1	47.9	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 5000	44.1	45.6	48.5	49.0	50.0	50.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500	45.6	47.1	50.2	50.8	51.9	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	47.5	49.4	53.6	54.2	55.4	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3500	48.0	51.1	55.6	57.1	58.2	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 3000	56.2	59.4	64.0	65.5	66.7	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2500	61.9	65.5	70.5	72.2	73.4	74.3	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	64.4	68.4	73.4	75.3	76.4	77.6	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800	66.7	71.3	76.6	78.5	80.7	81.8	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	70.3	75.5	82.2	85.1	86.2	87.4	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	74.1	79.5	86.8	90.0	91.2	92.3	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	75.1	80.5	87.9	91.2	92.3	93.5	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	75.8	81.2	88.9	92.3	93.7	95.0	95.6	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	75.9	81.8	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAAC

CEILING VERSUS VISIBILITY

24077 BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-170

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2
NO CEILING		28.2	30.3	31.4	32.0	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000		34.5	36.6	37.7	38.3	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 18000		34.5	36.6	37.7	38.3	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000		34.5	36.6	37.7	38.3	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000		34.5	37.0	38.1	38.7	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 12000		35.8	37.9	39.1	39.7	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 10000		39.3	41.4	42.5	43.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 9000		40.4	42.7	44.3	44.8	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 8000		46.2	48.7	50.6	51.3	52.9	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 7000		51.3	55.0	57.3	58.0	59.6	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 6000		53.6	57.5	60.3	61.3	62.8	63.2	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 5000		55.6	59.4	63.0	64.0	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 4500		56.1	60.0	63.8	64.8	66.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 4000		58.4	62.8	67.0	68.2	69.7	70.1	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500		62.3	66.7	71.1	72.2	73.8	74.1	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000		65.9	71.1	76.2	77.6	79.1	79.5	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500		68.4	73.6	78.9	80.3	81.8	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000		69.7	75.1	80.5	81.8	83.3	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800		71.3	76.7	82.0	83.5	85.0	85.6	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500		74.3	80.1	85.0	86.9	88.4	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200		76.4	82.2	87.1	89.0	90.4	91.2	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1000		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 700		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 600		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 500		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 400		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 300		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 200		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 100		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 0		76.6	82.4	87.5	89.5	91.4	92.3	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 DAWMHOLDER GERMANY AAF

03-66-65

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING		20.6	23.5	29.4	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥20000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥18000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥16000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥14000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥12000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥10000		30.9	35.8	39.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥9000		32.8	39.2	44.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥8000		38.2	44.1	50.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥7000		50.0	57.4	64.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥6000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥5000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥4500		52.9	60.3	67.6	70.6	70.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥4000		52.9	60.3	67.6	70.6	70.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥3500		52.9	60.3	67.6	70.6	70.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥3000		52.9	60.3	67.6	70.6	70.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥2500		60.3	70.6	77.9	82.4	82.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥2000		60.3	70.6	77.9	82.4	82.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥1800		60.3	70.6	77.9	82.4	82.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥1500		60.3	70.6	77.9	82.4	82.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥1200		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥1000		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥900		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥800		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥700		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥600		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥500		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥400		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥300		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥200		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥100		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥0		63.2	73.3	83.8	89.7	89.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 STATION BAUMHOLDER GERMANY AAF

68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21-0-23-0

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 6000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 900		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 700		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 600		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 400		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 300		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 100		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 0		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 HAUMHOLDER GERMANY AAF

68

YEARS

05-67

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS TS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥0	
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077-1 STATION NAME BAUMHOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH 1-12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING		5.3	8.2	13.5	17.6	17.6	19.4	20.6	22.9	27.6	27.6	29.4	30.6	31.2	31.8	35.3
≥ 20000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	34.7	39.4
IV 18000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	34.7	39.4
IV 16000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	34.7	39.4
IV 14000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	34.7	39.4
IV 12000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	34.7	39.4
IV 10000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	31.2	32.9	34.1	34.7	35.3	41.2
IV 9000		5.3	9.4	14.7	19.4	20.0	22.4	23.5	25.9	30.6	31.2	32.9	34.1	34.7	35.3	41.2
IV 8000		5.3	10.0	15.9	21.2	21.8	23.5	26.5	28.8	34.1	35.9	37.6	38.8	39.4	41.2	45.9
IV 7000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	40.0	41.8	42.9	43.5	45.3	50.0
IV 6000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	40.0	42.4	43.5	44.1	45.9	50.0
IV 5000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	41.2	42.9	44.1	44.7	46.5	51.2
IV 4500		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	38.2	41.2	42.9	44.1	44.7	46.5	51.2
IV 4000		5.9	11.8	18.8	25.2	26.2	30.0	31.2	34.1	41.2	44.1	45.9	47.1	47.6	49.4	54.1
IV 3500		5.9	11.8	18.8	25.9	27.1	30.6	32.4	35.3	42.4	45.3	47.1	48.2	48.8	50.6	55.3
IV 3000		5.9	11.8	19.4	26.5	27.6	31.2	32.9	36.5	43.5	46.8	48.8	50.6	51.2	52.4	58.2
IV 2500		5.9	11.8	20.0	27.1	28.2	31.8	34.1	37.1	45.9	49.4	51.2	52.4	52.9	54.7	59.4
IV 2000		5.9	12.4	20.6	27.6	28.3	32.9	35.3	38.2	47.1	50.6	52.4	53.5	54.1	55.9	60.6
IV 1800		5.9	12.4	20.6	27.6	28.8	32.9	35.3	38.2	47.1	50.6	52.4	53.5	54.1	55.9	60.6
IV 1500		6.5	12.9	21.2	28.2	29.4	34.1	36.5	39.4	48.8	52.4	54.1	55.3	55.9	57.6	62.4
IV 1200		7.1	13.5	22.9	30.0	31.2	35.9	38.2	41.2	52.4	55.9	57.6	58.8	59.4	61.2	65.9
IV 1000		7.6	14.1	24.1	31.2	32.4	37.1	39.4	42.4	54.7	58.2	60.5	61.8	62.4	64.1	68.8
IV 900		7.6	14.7	24.7	31.8	32.9	37.6	40.0	42.9	55.3	59.4	61.2	62.4	62.9	64.7	69.4
IV 800		7.6	14.7	24.7	31.8	32.9	37.6	40.0	42.9	55.3	59.4	61.2	62.4	62.9	64.7	69.4
IV 700		8.2	15.2	25.9	33.5	34.7	42.4	45.3	48.8	61.8	65.9	67.5	68.5	69.4	71.2	75.9
IV 600		8.2	15.2	25.9	33.5	34.7	42.4	45.3	48.8	61.8	65.9	67.5	68.5	69.4	71.2	75.9
IV 500		8.2	15.2	25.9	34.1	35.3	43.5	46.8	50.0	63.5	67.6	69.4	70.7	71.8	73.5	78.2
IV 400		8.2	15.2	26.5	34.7	35.9	44.1	47.6	50.6	64.1	68.2	69.9	71.2	72.4	74.1	78.8
IV 300		8.2	15.2	26.5	34.7	35.9	44.1	47.6	50.6	64.1	68.2	69.9	71.2	72.4	74.1	78.8
IV 200		8.2	15.2	26.5	34.7	35.9	44.1	47.6	50.6	64.1	68.2	69.9	71.2	72.4	74.1	78.8
IV 100		8.2	15.2	26.5	34.7	35.9	44.1	47.6	50.6	64.1	68.2	69.9	71.2	72.4	74.1	78.8
IV 0		8.2	15.2	26.5	34.7	35.9	44.1	47.6	50.6	64.1	68.2	69.9	71.2	72.4	74.1	78.8

TOTAL NUMBER OF OBSERVATIONS 170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

6270

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		8.8	11.9	16.1	18.9	21.6	23.3	24.7	25.7	28.4	29.2	29.6	30.8	30.7	31.3	35.1
≥ 20000		9.7	13.0	15.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.2
IV ≥ 18000		9.7	13.0	15.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.2
IV 16000		9.7	13.0	15.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.2
IV 14000		9.7	13.0	15.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.2
IV 12000		9.9	13.2	18.3	21.8	24.9	26.3	27.6	28.6	31.7	32.9	33.3	34.2	34.6	35.1	39.5
IV 10000		10.5	13.8	18.9	22.6	25.7	27.4	28.8	29.8	33.3	34.4	34.8	35.8	36.0	36.6	41.1
IV 9000		10.7	14.0	19.1	22.8	25.9	27.8	29.2	30.2	33.9	35.2	35.6	37.0	37.2	37.7	42.2
IV 8000		11.9	15.4	20.6	24.7	28.4	30.5	31.9	33.1	37.0	38.7	39.3	40.5	40.9	41.4	45.9
IV 7000		12.6	16.3	21.6	26.1	29.8	32.7	34.8	36.6	41.2	42.0	43.6	44.7	45.1	45.7	52.2
IV 6000		12.6	16.3	21.6	26.7	30.4	33.3	35.6	37.4	42.4	44.4	44.9	46.1	46.5	47.1	51.6
IV 5000		13.0	17.1	22.4	27.6	31.3	34.2	36.6	38.3	43.8	45.7	46.3	47.5	47.9	48.4	52.2
IV 4500		13.2	17.7	23.2	28.6	32.3	35.2	37.5	39.3	44.7	46.7	47.3	48.4	48.8	49.4	53.9
IV 4000		13.6	18.3	23.7	29.6	33.1	36.2	38.5	40.3	45.7	47.7	48.2	49.4	49.8	50.4	54.9
IV 3500		14.0	18.7	24.1	30.2	34.0	37.2	39.8	41.2	46.7	48.6	49.4	50.6	51.0	51.8	56.2
IV 3000		14.4	19.1	25.1	31.7	35.8	39.9	42.0	43.8	49.6	51.4	52.1	53.3	53.7	54.5	58.9
IV 2500		14.6	19.3	25.3	31.9	36.0	39.9	42.4	44.2	49.8	51.8	52.5	53.7	54.1	54.9	59.3
IV 2000		14.8	19.6	26.1	32.9	37.0	41.1	43.6	45.3	51.6	53.5	54.3	55.4	56.0	56.8	61.5
IV 1800		15.0	20.0	26.5	33.3	37.4	41.8	44.4	46.1	52.3	54.3	55.1	56.2	56.8	57.6	62.3
IV 1500		15.8	20.8	28.2	35.2	39.3	44.2	47.3	49.4	55.2	57.2	58.2	59.3	60.1	60.7	66.1
IV 1200		16.7	22.0	29.6	36.8	41.2	46.1	49.2	51.8	58.0	60.7	61.5	62.6	63.2	64.0	69.7
IV 1000		17.5	23.0	30.9	38.1	42.6	48.1	51.2	53.7	60.9	63.6	64.4	65.6	66.1	66.9	71.6
IV 900		17.7	23.3	31.9	39.3	43.8	49.4	52.7	55.3	62.5	65.2	66.0	67.1	67.7	68.5	73.2
IV 800		18.9	24.9	33.3	41.4	46.3	52.3	55.6	58.3	65.4	68.1	68.9	70.0	70.6	71.4	76.1
IV 700		19.1	25.3	33.9	42.2	47.3	53.5	56.8	59.3	66.9	69.6	70.4	71.6	72.6	73.3	78.0
IV 600		19.1	25.3	34.0	42.6	47.9	54.9	58.8	62.1	69.9	72.6	73.3	74.5	75.5	76.3	80.9
IV 500		19.8	25.7	35.2	43.8	49.4	56.6	60.9	64.4	72.1	75.0	75.8	77.0	78.0	81.7	86.4
IV 400		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	76.1	76.9	78.1	79.1	82.8	87.5
IV 300		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	76.1	76.9	78.1	79.1	82.8	87.5
IV 200		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	76.1	76.9	78.1	79.1	82.8	87.5
IV 100		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	76.1	76.9	78.1	79.1	82.8	87.5
IV 0		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	76.1	76.9	78.1	79.1	82.8	87.5

TOTAL NUMBER OF OBSERVATIONS 514

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AFB

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH 11-12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING		19.2	22.9	29.1	32.6	34.9	35.9	36.8	37.2	37.4	37.6	37.6	37.6	37.6	37.8	37.8
≥ 20000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.4	42.6	42.6
IV 18000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.4	42.6	42.6
IV 16000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.4	42.6	42.6
IV 14000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.4	42.6	42.6
IV 12000		22.8	26.2	33.1	36.6	39.2	40.3	41.7	42.4	42.8	43.0	43.0	43.0	43.2	43.2	43.2
IV 10000		23.1	27.1	34.1	37.6	40.3	41.3	42.8	43.0	44.0	44.4	44.6	44.6	44.6	44.8	44.8
IV 9000		23.8	27.2	34.3	37.8	40.5	41.7	43.0	44.0	44.8	44.8	44.8	44.8	44.8	45.0	45.2
IV 8000		25.2	29.8	37.4	41.3	44.2	45.7	47.1	48.1	48.6	48.8	48.8	48.8	49.0	49.0	49.2
IV 7000		26.0	30.8	38.8	43.2	46.1	48.1	49.5	51.0	51.6	51.7	51.7	51.7	51.9	51.9	51.9
IV 6000		26.9	31.8	39.7	44.6	47.7	49.6	51.4	52.8	53.1	53.3	53.3	53.3	53.5	53.5	53.5
IV 5000		28.1	32.9	41.1	45.9	49.0	51.0	52.9	54.2	54.8	55.0	55.0	55.0	55.2	55.2	55.2
IV 4500		28.8	33.1	41.3	46.3	49.4	51.4	53.3	54.7	55.2	55.4	55.4	55.4	55.6	55.6	55.6
IV 4000		29.1	33.7	42.0	48.1	51.2	53.3	55.4	56.8	57.4	57.4	57.4	57.4	57.8	57.8	57.8
IV 3500		30.2	35.9	45.0	50.2	53.3	55.4	57.6	58.9	59.5	59.9	59.9	59.9	60.1	60.1	60.1
IV 3000		32.4	38.2	47.7	53.1	56.2	58.3	60.9	62.2	62.8	63.2	63.2	63.2	63.4	63.4	63.4
IV 2500		33.1	39.1	48.8	54.3	57.4	59.7	62.0	64.4	64.0	64.3	64.3	64.3	64.5	64.5	64.5
IV 2000		34.8	41.1	51.2	56.8	60.1	62.8	64.9	66.2	66.9	67.2	67.2	67.2	67.4	67.4	67.4
IV 1800		35.9	43.4	52.9	58.5	62.0	64.9	67.8	69.2	69.8	70.2	70.2	70.2	70.3	70.3	70.3
IV 1500		38.8	46.1	57.0	62.8	66.2	70.2	72.3	73.8	74.4	74.8	74.8	74.8	75.0	75.0	75.0
IV 1200		40.9	48.8	60.1	66.1	69.6	73.4	75.8	77.1	77.7	78.3	78.3	78.3	78.5	78.5	78.5
IV 1000		41.9	50.0	62.0	68.8	72.7	76.6	78.9	80.6	81.2	82.4	82.4	82.4	82.6	82.6	82.6
IV 900		42.4	50.8	63.0	69.8	73.6	77.5	79.8	81.4	82.4	83.3	83.3	83.3	83.7	83.7	83.7
IV 800		42.8	51.7	64.9	71.9	76.0	80.0	82.1	84.7	85.0	87.0	87.0	87.0	87.2	87.2	87.2
IV 700		42.8	51.7	64.9	72.7	76.7	81.8	84.9	86.4	88.0	89.1	89.1	89.1	89.3	89.3	89.3
IV 600		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 500		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 400		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 300		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 200		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 100		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3
IV 0		43.2	52.1	65.3	73.2	77.2	82.2	85.9	87.6	89.0	90.1	90.1	90.1	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34077 BAUMHOLTER GERMANY AAF

DATE 6/7/70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12.2 = 14.2

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ .	≥ 0
NO CEILING		27.6	29.0	35.9	38.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 18000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 16000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 14000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 12000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 10000		32.3	33.7	41.8	44.0	46.0	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 9000		32.3	33.7	41.8	44.0	46.0	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000		36.3	38.1	46.5	49.3	51.5	51.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000		37.7	39.6	48.3	51.1	53.5	53.8	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000		38.7	40.6	49.9	52.7	55.0	55.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 5000		39.6	41.8	51.1	53.8	56.4	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 4500		40.0	42.2	51.7	54.8	57.6	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000		41.6	43.8	53.5	56.8	59.4	60.0	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1
IV 3500		43.8	46.0	56.2	59.6	62.1	62.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9
IV 3000		46.9	49.3	60.6	64.1	66.9	67.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6
IV 2500		52.9	55.4	66.9	70.4	73.2	74.2	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3
IV 2000		55.0	58.2	69.6	73.6	76.3	77.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
IV 1800		57.6	60.7	72.2	76.3	79.3	80.3	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500		60.0	63.5	75.1	79.3	82.2	83.2	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
IV 1200		61.3	65.7	78.7	83.2	86.0	87.4	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2
IV 1000		61.9	66.7	79.9	84.8	87.6	89.0	90.9	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3
IV 900		62.5	67.3	80.9	85.8	89.0	90.9	92.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7
IV 800		63.1	67.9	81.5	86.4	90.1	92.3	94.3	94.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 700		63.1	68.5	81.9	87.0	90.5	92.9	94.9	94.9	94.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 600		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 500		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 400		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 300		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 200		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 100		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 0		63.1	68.5	82.1	87.2	90.7	93.1	95.1	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 507

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36077 BAUMHOLTER GERMANY AAF

65-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12 MONTHS 1722

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 1	≥ 0
NO CEILING ≥ 20000		30.0	32.5	38.7	40.6	41.0	42.0	42.2	42.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000		30.0	35.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000		36.5	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000		36.5	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000		36.5	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000		38.1	41.0	47.3	50.5	51.1	52.7	53.1	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000		40.0	43.0	49.3	52.5	53.1	54.6	55.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000		43.4	46.5	52.8	57.0	57.6	59.2	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 7000		46.7	49.9	57.2	60.4	60.9	62.5	62.9	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000		48.9	52.3	60.0	63.2	63.7	65.3	65.9	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 5000		49.9	53.8	62.1	65.5	66.2	67.9	68.2	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 4500		51.3	55.4	64.1	67.7	68.4	70.0	70.4	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000		52.9	57.4	66.1	69.6	70.6	72.2	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500		53.0	57.8	68.4	72.0	73.0	74.6	75.0	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000		56.2	61.1	70.0	74.0	75.0	76.6	76.9	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 2500		58.8	63.7	72.6	76.5	77.9	79.5	79.9	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000		60.7	65.1	75.5	79.9	81.2	82.8	83.2	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1800		62.1	67.3	76.9	81.3	82.5	84.2	84.6	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1500		63.1	68.6	78.3	82.6	84.0	85.6	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200		63.6	69.6	79.3	83.6	85.0	86.6	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000		64.9	70.6	80.3	84.8	86.2	88.0	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 900		65.5	71.2	81.1	85.8	87.2	89.0	90.1	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800		65.7	71.8	81.7	86.6	88.0	90.2	91.2	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 700		65.9	72.0	81.9	87.0	88.4	90.9	92.1	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 600		66.1	72.2	82.2	87.4	88.8	91.2	92.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 300		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 200		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 100		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 0		66.1	72.4	82.4	88.0	89.2	91.9	93.1	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 307

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-66
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		11.7	20.0	25.0	43.3	43.3	45.0	46.7	46.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000		16.7	23.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000		16.7	23.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000		16.7	23.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000		16.7	23.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000		20.0	28.3	35.0	35.0	35.0	38.3	60.0	60.0	66.7	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000		21.7	30.0	36.7	36.7	36.7	60.0	61.7	61.7	68.3	70.0	70.0	70.0	70.0	70.0	70.0
IV 5000		23.0	33.3	40.0	65.0	65.0	68.3	70.0	70.0	76.7	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500		23.0	33.3	40.0	65.0	65.0	68.3	70.0	70.0	76.7	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000		23.0	33.3	40.0	65.0	65.0	68.3	70.0	70.0	76.7	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500		23.0	33.3	40.0	65.0	65.0	68.3	70.0	70.0	76.7	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000		23.0	33.3	40.0	65.0	65.0	68.3	70.0	70.0	76.7	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 1000		23.0	40.0	46.7	73.3	73.3	76.7	78.3	78.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 900		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 800		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 700		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 600		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 500		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 400		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 300		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 200		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 100		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 0		23.0	41.7	48.3	78.3	78.3	81.7	83.3	83.3	91.7	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077

BAUMHOLTER GERMANY AAF

65-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2300-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING		1.7	2.9	6.9	8.6	9.1	12.0	13.7	14.3	13.3	20.6	20.6	21.1	21.7	23.4	26.9
IV 20000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 18000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 16000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 14000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 12000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 10000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 9000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 8000		2.3	4.0	9.1	11.4	12.0	14.9	16.6	17.1	22.3	24.6	24.6	25.1	25.7	27.4	32.0
IV 7000		2.9	4.6	9.7	13.7	14.9	17.7	20.6	21.1	26.9	29.1	29.1	29.7	30.3	32.0	36.6
IV 6000		3.4	5.1	10.3	14.3	15.4	18.3	21.1	21.7	27.4	29.7	29.7	30.3	31.4	33.1	37.7
IV 5000		3.4	5.1	10.3	14.3	16.0	18.9	21.7	22.3	28.0	30.3	30.3	30.9	32.0	33.7	38.3
IV 4500		3.4	5.1	10.3	14.3	16.0	18.9	21.7	22.3	28.0	30.3	30.3	30.9	32.0	33.7	38.3
IV 4000		4.0	5.7	11.4	16.0	17.7	20.6	23.4	24.0	29.7	32.0	32.0	32.1	34.3	36.0	40.6
IV 3500		4.0	6.3	12.0	16.6	18.3	21.1	24.0	24.6	31.4	33.7	33.7	34.3	36.0	37.7	42.3
IV 3000		4.6	6.9	14.3	19.4	21.1	24.0	28.0	28.6	36.0	38.3	38.3	39.4	40.6	42.3	46.9
IV 2500		4.6	6.9	16.9	20.6	22.3	25.1	29.1	29.7	37.7	40.0	40.0	41.1	42.3	44.0	48.6
IV 2000		4.6	7.4	15.4	21.1	22.9	25.7	30.3	30.9	40.0	42.9	42.9	44.0	45.1	46.9	51.4
IV 1800		4.6	7.4	15.4	21.1	22.9	25.7	30.3	30.9	40.0	42.9	42.9	44.0	45.1	46.9	51.4
IV 1500		5.1	8.6	17.1	23.4	25.1	29.1	33.7	34.3	44.6	47.4	47.4	48.6	49.7	51.4	56.0
IV 1200		5.7	9.1	17.7	24.0	25.7	30.9	35.4	36.0	46.3	49.7	49.7	50.9	52.0	53.7	58.3
IV 1000		5.7	9.1	18.3	24.6	26.3	32.0	37.1	38.3	49.1	52.6	52.6	53.7	54.9	56.6	61.1
IV 900		5.7	9.1	18.3	24.6	26.3	32.0	37.1	38.3	49.1	52.6	52.6	53.7	54.9	56.6	61.1
IV 800		6.3	9.7	19.4	25.7	27.4	33.7	40.0	41.1	53.1	56.6	56.6	57.7	58.9	60.6	65.1
IV 700		6.3	9.7	20.6	26.9	28.6	34.9	41.1	42.3	55.4	58.9	58.9	60.0	61.1	62.9	67.4
IV 600		6.3	9.7	20.6	26.9	28.6	34.9	41.1	42.3	55.4	58.9	58.9	60.0	61.1	62.9	67.4
IV 500		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	60.0	63.2	63.2	64.3	65.4	67.1	71.4
IV 400		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.0	65.0	66.1	67.2	68.9	73.3
IV 300		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.0	65.0	66.1	67.2	68.9	73.3
IV 200		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.0	65.0	66.1	67.2	68.9	73.3
IV 100		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.0	65.0	66.1	67.2	68.9	73.3
IV 0		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.0	65.0	66.1	67.2	68.9	73.3

TOTAL NUMBER OF OBSERVATIONS 175

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077

BAUMHOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥7	≥5 16	≥4	≥0
NO CEILING		5.6	6.9	8.8	10.3	11.3	12.4	14.1	15.6	18.2	19.7	20.3	21.8	22.3	22.9	23.6	26.1
≥ 20000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	24.0	29.8
≥ 18000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	24.0	29.9
≥ 16000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	24.0	29.9
≥ 14000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	24.0	29.9
≥ 12000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	24.0	29.9
≥ 10000		6.6	8.1	9.9	12.0	13.1	14.4	16.1	17.8	20.9	22.0	22.5	22.9	23.6	24.2	24.2	30.0
≥ 9000		7.3	8.8	10.7	12.8	13.9	15.2	16.9	18.6	21.2	22.7	23.3	23.8	24.6	25.0	25.0	30.8
≥ 8000		8.6	10.3	12.4	14.4	15.6	17.3	19.1	20.8	23.8	25.3	25.9	26.5	27.2	27.6	27.6	33.6
≥ 7000		9.9	11.6	13.9	16.3	17.4	19.3	21.6	23.3	26.5	28.1	29.1	29.6	30.4	30.8	30.8	36.8
≥ 6000		9.9	11.8	14.1	16.7	17.8	19.7	22.1	23.8	27.2	29.1	30.0	30.6	31.3	31.7	31.7	37.7
≥ 5000		10.3	12.8	15.0	17.6	18.8	20.6	23.1	24.8	28.1	30.2	31.1	31.7	32.5	32.8	32.8	38.8
≥ 4500		10.3	12.9	15.4	18.0	19.1	21.0	23.5	25.1	28.5	30.6	31.5	32.1	32.8	33.2	33.2	39.2
≥ 4000		10.9	13.9	16.5	19.5	20.6	22.5	25.1	26.8	30.4	32.5	33.4	34.0	34.7	35.1	35.1	41.1
≥ 3500		11.3	14.4	17.8	21.0	22.5	24.4	27.4	29.1	33.0	35.1	36.0	36.6	37.3	37.5	37.5	43.9
≥ 3000		14.4	17.8	21.4	25.0	26.6	29.8	32.8	34.3	38.6	40.7	41.7	42.2	43.0	43.5	43.5	49.7
≥ 2500		14.6	18.2	21.8	25.3	27.0	30.2	33.2	34.9	39.3	41.8	42.8	43.3	44.1	44.7	44.7	50.8
≥ 2000		15.2	19.3	23.5	27.2	28.9	32.1	35.1	36.8	41.8	44.9	45.8	46.4	46.8	47.1	47.1	52.9
≥ 1800		15.2	19.3	23.5	27.2	28.9	32.1	35.1	36.8	41.8	44.9	45.8	46.4	46.8	47.1	47.1	52.9
≥ 1500		15.8	20.3	24.8	29.5	31.1	34.7	38.3	40.2	45.4	47.5	48.4	49.0	49.7	50.2	50.2	56.5
≥ 1200		16.7	21.4	25.9	30.8	32.5	36.0	39.6	42.0	47.5	49.9	50.8	51.4	52.2	52.7	52.7	58.9
≥ 1000		17.1	22.0	26.5	31.2	32.9	36.4	40.2	42.6	48.6	51.0	52.0	52.8	53.3	53.8	53.8	60.0
≥ 900		17.1	22.0	26.5	31.2	32.9	36.4	40.2	42.6	48.6	51.0	52.0	52.8	53.3	53.8	53.8	60.0
≥ 800		17.6	22.9	28.0	32.2	33.9	39.0	42.8	45.0	51.4	53.8	54.8	55.3	55.8	56.2	56.2	62.9
≥ 700		18.8	24.4	29.8	35.1	37.5	41.8	46.2	48.6	55.3	58.0	58.9	59.5	60.4	61.0	61.0	67.2
≥ 600		18.8	24.4	29.8	35.1	37.5	41.8	46.2	48.6	55.3	58.0	58.9	59.5	60.4	61.0	61.0	67.2
≥ 500		18.9	24.8	30.2	36.2	38.8	44.3	48.3	52.2	61.4	65.7	67.0	67.9	69.2	69.8	69.8	76.0
≥ 400		18.9	25.0	30.4	36.4	39.8	45.4	50.7	53.7	63.6	68.0	70.9	72.6	74.1	74.7	74.7	80.9
≥ 300		18.9	25.0	30.4	36.4	39.8	45.4	50.7	53.7	63.6	68.0	70.9	72.6	74.1	74.7	74.7	80.9
≥ 200		18.9	25.0	30.4	36.4	39.8	45.4	50.7	53.7	63.6	68.0	70.9	72.6	74.1	74.7	74.7	80.9
≥ 100		18.9	25.0	30.4	36.4	39.8	45.4	50.7	53.7	63.6	68.0	70.9	72.6	74.1	74.7	74.7	80.9
≥ 0		18.9	25.0	30.4	36.4	39.8	45.4	50.7	53.7	63.6	68.0	70.9	72.6	74.1	74.7	74.7	80.9

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY A. C.

65-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		9.8	12.0	15.5	18.9	21.2	24.5	25.3	26.0	27.2	27.5	27.5	27.5	27.7	26.1	28.2
≥20000		11.6	14.8	18.5	22.2	25.1	28.7	29.6	30.3	31.6	32.0	32.0	32.4	32.6	33.0	33.1
IV 18000		11.6	14.8	18.5	22.2	25.1	28.7	29.6	30.3	31.6	32.0	32.0	32.4	32.6	33.0	33.1
IV 16000		11.6	14.8	18.5	22.2	25.1	28.7	29.6	30.3	31.6	32.0	32.0	32.4	32.6	33.0	33.1
IV 14000		12.0	15.2	18.9	22.7	25.5	29.0	30.0	30.7	32.0	32.4	32.4	32.8	33.0	33.3	33.5
IV 12000		12.0	15.2	18.9	22.7	25.5	29.0	30.0	30.7	32.0	32.4	32.4	32.8	33.0	33.3	33.5
IV 10000		12.5	15.7	19.9	23.8	26.6	30.1	31.1	31.8	33.1	33.5	33.5	33.9	34.1	34.5	34.6
IV 9000		12.5	15.7	19.9	23.8	26.6	30.1	31.1	31.8	33.1	33.5	33.5	33.9	34.1	34.5	34.6
IV 8000		15.9	19.3	23.8	28.1	30.9	34.6	35.6	36.2	37.6	38.0	38.2	38.6	38.8	39.1	39.5
IV 7000		18.0	21.9	27.0	31.5	34.2	38.4	39.3	40.4	41.9	42.3	42.5	42.9	43.3	43.6	44.0
IV 6000		18.2	22.1	27.5	32.0	34.8	39.9	40.4	41.6	43.1	43.6	43.8	44.2	44.6	44.9	45.3
IV 5000		19.1	23.0	28.5	33.1	36.0	40.8	41.8	42.9	44.4	44.9	45.1	45.5	45.9	46.2	46.6
IV 4500		19.7	24.0	29.4	34.1	36.9	41.8	42.7	43.8	45.3	45.9	46.1	46.4	46.8	47.2	47.6
IV 4000		20.4	24.7	30.3	35.2	38.4	43.2	44.2	45.3	46.8	47.4	47.6	47.9	48.2	48.7	49.1
IV 3500		21.7	26.0	31.8	36.9	40.1	45.2	46.3	47.4	48.9	49.4	49.6	50.0	50.4	50.7	51.1
IV 3000		24.7	29.2	35.0	41.0	44.9	51.1	52.2	53.4	54.9	55.4	55.6	56.0	56.4	56.7	57.1
IV 2500		26.4	30.9	36.7	42.7	46.6	52.9	53.9	55.1	56.6	57.1	57.3	57.7	58.1	58.4	58.8
IV 2000		27.2	31.8	37.6	43.6	47.5	53.9	54.9	56.1	57.6	58.1	58.3	58.7	59.0	59.4	60.1
IV 1800		27.2	31.8	37.6	43.6	47.5	53.9	54.9	56.1	57.6	58.1	58.3	58.7	59.0	59.4	60.1
IV 1500		28.7	33.3	39.3	45.3	49.2	55.6	56.6	57.8	59.3	59.8	60.0	60.4	60.8	61.2	61.6
IV 1200		29.6	34.6	40.8	46.8	50.7	57.1	58.1	59.3	60.8	61.3	61.5	61.9	62.3	62.7	63.1
IV 1000		29.8	34.8	41.0	47.0	50.9	57.3	58.3	59.5	61.0	61.5	61.7	62.1	62.5	62.9	63.3
IV 900		30.2	35.4	41.9	47.9	51.8	58.2	59.2	60.4	61.9	62.4	62.6	63.0	63.4	63.8	64.2
IV 800		31.2	36.3	42.4	48.4	52.3	58.7	59.7	60.9	62.4	62.9	63.1	63.5	63.9	64.3	64.7
IV 700		32.2	37.0	43.3	49.3	53.2	59.6	60.6	61.8	63.3	63.8	64.0	64.4	64.8	65.2	65.6
IV 600		32.4	37.4	43.7	49.7	53.6	60.0	61.0	62.2	63.7	64.2	64.4	64.8	65.2	65.6	66.0
IV 500		32.6	37.6	44.0	49.9	53.9	60.3	61.3	62.5	64.0	64.5	64.7	65.1	65.5	65.9	66.3
IV 400		32.8	37.8	44.2	50.1	54.1	60.5	61.5	62.7	64.2	64.7	64.9	65.3	65.7	66.1	66.5
IV 300		32.8	37.8	44.2	50.1	54.1	60.5	61.5	62.7	64.2	64.7	64.9	65.3	65.7	66.1	66.5
IV 200		32.8	37.8	44.2	50.1	54.1	60.5	61.5	62.7	64.2	64.7	64.9	65.3	65.7	66.1	66.5
IV 100		32.8	37.8	44.2	50.1	54.1	60.5	61.5	62.7	64.2	64.7	64.9	65.3	65.7	66.1	66.5
IV 0		32.8	37.8	44.2	50.1	54.1	60.5	61.5	62.7	64.2	64.7	64.9	65.3	65.7	66.1	66.5

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36077

BAUMHOLDER GERMANY AAF

6570

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		12.8	19.1	21.8	24.6	27.1	28.8	29.0	29.2	29.4	30.0	30.0	30.0	30.0	30.0	30.0
IV 20000		9.7	22.6	26.5	30.2	33.1	33.3	33.3	33.7	33.9	36.5	36.5	36.5	36.5	36.5	36.5
IV 18050		19.7	23.6	26.5	30.2	33.1	33.3	33.3	33.7	33.9	36.5	36.5	36.5	36.5	36.5	36.5
IV 16000		19.7	23.6	26.5	30.2	33.1	33.3	33.3	33.7	33.9	36.5	36.5	36.5	36.5	36.5	36.5
IV 14000		19.9	23.8	26.7	30.4	32.3	33.3	33.7	33.9	36.1	36.6	36.6	36.6	36.6	36.6	36.6
IV 12000		20.1	24.0	26.9	30.6	32.7	33.9	36.1	36.3	36.5	37.0	37.0	37.0	37.0	37.0	37.0
IV 10070		21.1	25.0	28.1	32.4	35.3	37.6	37.8	38.0	38.2	38.8	38.8	38.8	38.8	38.8	38.8
IV 9000		21.1	25.0	28.1	32.4	35.3	37.6	37.8	38.0	38.2	38.4	39.0	39.0	39.0	39.0	39.0
IV 8000		25.1	29.2	32.6	37.2	40.4	42.5	42.7	42.9	43.3	43.9	43.9	43.9	43.9	43.9	43.9
IV 7000		26.3	30.8	34.1	38.8	41.9	44.4	44.8	45.6	46.0	46.6	46.6	46.6	46.6	46.6	46.6
IV 6000		26.9	31.4	34.9	39.5	42.7	45.2	45.6	46.4	46.8	47.4	47.4	47.4	47.4	47.4	47.4
IV 5000		28.5	32.9	36.5	41.7	45.0	47.6	48.0	48.7	49.1	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500		29.6	34.1	37.8	43.1	46.4	48.9	49.3	50.1	50.5	51.1	51.1	51.1	51.1	51.1	51.1
IV 4000		30.4	34.9	38.8	44.1	47.4	49.9	50.3	51.1	51.5	52.0	52.0	52.0	52.0	52.0	52.0
IV 3500		32.2	36.6	40.7	46.2	49.7	52.2	52.6	53.4	53.8	54.4	54.4	54.4	54.4	54.4	54.4
IV 3000		36.1	40.3	44.8	50.3	53.8	56.3	56.7	57.3	57.9	58.5	58.5	58.5	58.5	58.5	58.5
IV 2500		38.8	44.4	48.7	54.2	57.7	60.2	60.8	61.8	62.2	62.8	62.8	62.8	62.8	62.8	62.8
IV 2000		39.4	45.2	49.5	55.0	58.9	61.0	61.6	62.6	63.0	63.5	63.5	63.5	63.5	63.5	63.5
IV 1800		40.4	46.6	50.9	56.7	60.2	62.8	63.4	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3
IV 1500		43.2	49.7	54.2	61.0	64.3	67.1	67.6	68.6	69.0	69.6	69.6	69.6	69.6	69.6	69.6
IV 1200		46.6	51.1	55.8	63.2	66.9	69.4	70.2	71.3	71.7	72.3	72.3	72.3	72.3	72.3	72.3
IV 1000		48.4	51.9	56.9	64.8	68.2	71.0	71.9	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3
IV 900		46.6	53.2	59.1	66.7	70.4	73.1	74.2	75.8	76.2	76.8	76.8	76.8	76.8	76.8	76.8
IV 800		47.2	54.2	60.4	68.2	71.9	74.6	77.0	78.4	79.8	80.3	80.3	80.3	80.3	80.3	80.3
IV 700		47.8	55.4	61.8	69.8	73.9	77.0	79.3	80.9	82.3	83.4	83.4	83.4	83.4	83.4	83.4
IV 600		47.8	55.4	61.8	69.8	73.9	77.0	79.3	80.9	82.3	83.4	83.4	83.4	83.4	83.4	83.4
IV 500		48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	86.2	89.3	89.3	89.3	89.3	89.3	89.3
IV 400		48.0	55.6	62.4	70.6	74.7	78.6	80.9	82.8	87.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 300		48.0	55.6	62.4	70.6	74.7	78.6	80.9	82.8	87.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 200		48.0	55.6	62.4	70.6	74.7	78.6	80.9	82.8	87.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 100		48.0	55.6	62.4	70.6	74.7	78.6	80.9	82.8	87.9	92.2	92.2	92.2	92.2	92.2	92.2
IV C		48.0	55.6	62.4	70.6	74.7	78.6	80.9	82.8	87.9	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

513

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24077 BAUMHOLDER GERMANY AAF

05-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		15.2	18.8	25.0	28.1	28.3	31.1	31.9	32.1	32.9	33.2	33.5	33.7	33.7	33.7	33.7
≥ 20000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
≥ 18000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
≥ 16000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
IV 14000		19.6	24.2	31.3	34.9	35.1	38.5	39.5	39.7	40.5	40.9	41.1	41.3	41.3	41.3	41.3
IV 12000		19.6	24.2	31.3	34.9	35.1	38.5	39.5	39.7	40.5	40.9	41.1	41.3	41.3	41.3	41.3
IV 10000		20.6	25.1	32.5	36.3	36.5	39.9	40.9	41.1	41.9	42.3	42.5	42.7	42.7	42.7	42.7
IV 9000		21.4	25.9	33.3	37.3	37.5	41.1	42.1	42.3	43.1	43.5	43.7	43.9	43.9	43.9	43.9
IV 8000		23.4	29.1	36.9	41.1	41.3	45.1	46.1	46.3	47.1	47.5	47.7	47.9	47.9	47.9	47.9
IV 7000		26.7	32.7	40.7	44.9	45.3	49.1	50.1	50.7	51.7	52.1	52.3	52.5	52.5	52.5	52.5
IV 6000		28.1	34.1	42.5	46.7	47.3	51.1	52.1	52.9	53.9	54.5	54.7	54.9	54.9	54.9	54.9
IV 5000		29.5	35.7	44.3	48.7	49.3	53.7	54.9	55.7	56.7	57.5	57.7	57.9	57.9	57.9	57.9
IV 4500		30.3	36.7	45.5	50.1	50.9	55.1	56.3	57.1	58.1	58.9	59.1	59.3	59.3	59.3	59.3
IV 4000		31.3	37.7	46.9	51.5	52.3	56.9	57.7	58.5	59.5	60.3	60.5	60.7	60.7	60.7	60.7
IV 3500		31.7	38.5	47.7	52.3	53.1	57.9	58.9	59.3	60.3	61.1	61.3	61.5	61.5	61.5	61.5
IV 3000		35.1	42.1	52.1	56.9	57.7	62.9	63.7	64.5	65.5	66.3	66.5	66.7	66.7	66.7	66.7
IV 2500		37.9	45.9	56.9	61.7	62.5	67.9	68.7	69.5	70.5	71.3	71.5	71.7	71.7	71.7	71.7
IV 2000		38.7	46.9	58.1	63.1	63.9	69.1	70.3	71.1	72.3	73.1	73.3	73.5	73.5	73.5	73.5
IV 1800		39.7	48.3	60.1	65.1	65.9	71.3	72.5	73.3	74.5	75.3	75.5	75.7	75.7	75.7	75.7
IV 1500		40.7	49.3	61.9	67.1	68.1	73.5	74.7	75.5	76.8	77.6	77.8	78.0	78.0	78.0	78.0
IV 1200		41.1	49.7	62.3	67.5	68.5	74.3	75.4	76.4	77.6	78.4	78.6	78.8	78.8	78.8	78.8
IV 1000		41.1	49.7	62.3	67.5	68.5	74.3	75.4	76.4	77.6	78.4	78.6	78.8	78.8	78.8	78.8
IV 900		41.9	50.5	63.7	69.3	70.7	76.0	77.2	78.2	79.4	80.4	80.6	81.0	81.0	81.0	81.0
IV 800		44.1	52.9	66.1	71.7	73.1	78.5	80.0	81.0	82.4	83.6	83.8	84.2	84.2	84.2	84.2
IV 700		44.5	53.3	66.9	72.5	73.9	79.4	80.8	81.8	83.0	84.0	84.2	84.6	84.6	84.6	84.6
IV 600		44.5	53.3	66.9	72.5	73.9	79.4	80.8	81.8	83.0	84.0	84.2	84.6	84.6	84.6	84.6
IV 500		44.5	53.3	67.1	72.7	74.1	79.8	81.4	82.8	84.2	85.0	85.4	85.8	85.8	85.8	85.8
IV 400		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.6	85.4	85.8	86.2	86.2	86.2	86.2
IV 300		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.6	85.4	85.8	86.2	86.2	86.2	86.2
IV 200		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.6	85.4	85.8	86.2	86.2	86.2	86.2
IV 100		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.6	85.4	85.8	86.2	86.2	86.2	86.2
IV 0		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.6	85.4	85.8	86.2	86.2	86.2	86.2

TOTAL NUMBER OF OBSERVATIONS 301

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLDFR GERMANY AAF
STATION NAME

63-66
YEAR

6.7
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4/16	≥0
NO CEILING ≥ 20000		1.6	9.7	9.7	16.1	16.1	21.0	24.2	29.0	35.5	37.1	38.7	40.3	41.9	41.9	41.9
IV 18000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 16000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 14000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 12000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 10000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 9000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IV 8000		1.6	14.5	14.5	21.0	21.0	27.4	30.6	35.5	43.5	45.2	46.8	48.4	50.0	50.0	50.0
IV 7000		1.6	14.5	14.5	22.6	22.6	29.0	32.3	37.1	46.8	48.4	50.0	51.6	53.2	53.2	53.2
IV 6000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	38.7	50.0	51.6	53.2	54.8	56.5	56.5	56.5
IV 5000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IV 4500		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IV 4000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IV 3500		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IV 3000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IV 2500		3.2	17.7	17.7	27.4	27.4	33.9	38.7	46.8	58.1	59.7	61.3	62.9	64.5	64.5	64.5
IV 2000		3.2	17.7	17.7	27.4	27.4	33.9	38.7	46.8	58.1	59.7	61.3	62.9	64.5	64.5	64.5
IV 1800		3.2	19.4	19.4	29.0	29.0	35.5	40.3	48.4	60.0	61.3	62.9	64.5	66.1	66.1	66.1
IV 1500		3.2	19.4	19.4	29.0	29.0	35.5	40.3	48.4	60.0	61.3	62.9	64.5	66.1	66.1	66.1
IV 1200		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 1000		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 900		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 800		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 700		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 600		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 500		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 400		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 300		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 200		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 100		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4
IV 0		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	71.0	72.6	74.2	75.8	77.4	77.4	77.4

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

ACV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2200-0300
PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0.1	≥0
NO CEILING		6.3	6.9	8.1	10.6	10.6	12.5	13.1	13.1	19.4	19.4	19.4	19.4	19.4	20.6	24.4
≥ 20000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
≥ 18000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
≥ 16000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
≥ 14000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
≥ 12000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
≥ 10000		7.9	8.1	9.4	12.5	12.5	14.4	15.0	15.0	21.3	21.3	21.3	21.3	21.3	22.5	26.3
≥ 9000		8.1	8.8	10.0	13.1	13.1	15.0	15.0	15.0	21.3	21.3	21.3	21.3	21.3	22.5	26.3
≥ 8000		9.4	10.0	11.3	14.4	14.4	16.9	18.1	18.1	24.4	24.4	24.4	24.4	24.4	25.6	29.4
≥ 7000		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 6000		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 5000		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 4500		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 4000		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 3500		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
≥ 3000		10.0	11.3	12.5	16.9	16.9	20.0	21.3	21.3	26.3	26.3	26.3	26.3	26.3	27.5	31.9
≥ 2500		10.0	11.3	12.5	16.9	16.9	20.0	21.3	21.3	26.3	26.3	26.3	26.3	26.3	27.5	31.9
≥ 2000		10.0	11.3	12.5	16.9	16.9	20.0	21.3	21.3	26.3	26.3	26.3	26.3	26.3	27.5	31.9
≥ 1800		10.0	11.3	12.5	16.9	16.9	20.0	21.3	21.3	26.3	26.3	26.3	26.3	26.3	27.5	31.9
≥ 1500		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 1200		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 1000		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 900		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 800		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 700		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 600		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 500		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 400		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 300		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 200		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 100		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6
≥ 0		11.3	12.5	13.8	18.8	18.8	22.5	23.8	23.8	28.8	28.8	28.8	28.8	28.8	29.4	35.6

TOTAL NUMBER OF OBSERVATIONS 160

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		3.4	4.4	6.7	8.7	8.9	9.7	11.7	12.1	14.5	13.8	16.2	16.2	16.4	16.6	18.8
IV 20000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.6	19.6	19.8	22.2
IV 18000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.6	19.6	19.8	22.2
IV 16000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.6	19.6	19.8	22.2
IV 14000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.6	19.6	19.8	22.2
IV 12000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.6	19.6	19.8	22.2
IV 10000		3.7	6.7	9.1	11.2	11.5	12.5	15.2	15.8	18.6	19.6	20.0	20.0	20.2	20.4	22.8
IV 9000		3.7	6.7	9.1	11.2	11.5	12.5	15.2	15.8	18.6	19.6	20.0	20.0	20.2	20.4	22.8
IV 8000		7.1	8.1	10.5	12.9	13.1	14.5	17.2	17.8	20.6	21.8	22.2	22.2	22.4	22.6	25.5
IV 7000		7.7	8.7	11.1	13.3	13.7	15.2	17.8	18.6	21.2	22.4	22.8	22.8	23.0	23.2	26.1
IV 6000		7.7	8.7	11.1	13.3	13.7	15.2	17.8	18.6	21.2	22.4	22.8	22.8	23.0	23.2	26.5
IV 5000		7.9	8.9	11.7	14.1	14.5	16.0	18.8	19.6	22.6	23.8	24.2	24.2	24.4	24.6	27.5
IV 4500		7.9	8.9	11.7	14.1	14.5	16.0	18.8	19.6	22.6	23.8	24.2	24.2	24.4	24.6	27.5
IV 4000		7.9	8.9	11.7	14.1	14.5	16.0	18.8	19.6	22.6	23.8	24.2	24.2	24.4	24.6	27.5
IV 3500		8.5	9.5	12.5	14.9	15.3	17.4	20.2	21.2	24.6	25.9	26.3	26.3	26.5	26.7	29.5
IV 3000		10.1	11.1	14.1	16.6	17.4	19.2	22.0	23.0	26.9	28.3	28.7	28.7	28.9	29.1	31.9
IV 2500		10.7	11.7	14.9	17.4	18.4	20.2	23.0	24.0	28.1	29.5	30.3	30.3	30.5	30.7	33.5
IV 2000		11.3	12.3	15.3	17.8	18.8	21.1	24.4	25.5	29.9	31.3	32.3	32.3	32.5	32.7	35.6
IV 1800		11.3	12.3	15.3	17.8	18.8	21.1	24.4	25.5	29.9	31.3	32.3	32.3	32.5	32.7	35.6
IV 1500		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 1200		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 1000		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 900		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 800		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 700		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 600		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 500		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 400		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 300		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 200		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 100		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4
IV 0		13.1	14.1	17.1	19.6	20.6	22.9	26.2	27.3	31.7	33.1	34.1	34.1	34.3	34.5	37.4

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

65-70

CV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
MOON T-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥10	≥½	≥0
NO CEILING		4.8	6.5	9.1	9.9	12.1	13.5	14.7	15.2	15.8	16.0	16.0	16.0	16.0	16.0	16.4
IV 20000		6.7	8.9	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 18000		6.7	8.9	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 16000		6.7	8.9	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 14000		6.7	8.9	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 12000		6.7	8.9	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 10000		7.5	9.3	11.9	13.1	15.6	17.6	19.0	19.4	20.2	20.6	20.6	20.8	21.0	21.0	21.4
IV 9000		7.5	9.3	11.9	13.1	15.6	17.6	19.0	19.4	20.2	20.6	20.6	20.8	21.0	21.0	21.4
IV 8000		8.3	10.3	13.5	14.7	17.2	19.2	20.6	21.2	22.4	22.8	22.8	23.0	23.2	23.2	23.8
IV 7000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 6000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 5000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 4500		9.3	11.5	14.9	16.6	19.2	21.4	23.2	23.8	25.9	26.9	26.9	27.1	27.3	27.3	27.9
IV 4000		9.3	11.5	14.9	16.6	19.2	21.4	23.2	23.8	25.9	26.9	26.9	27.1	27.3	27.3	27.9
IV 3500		9.3	11.5	14.9	16.6	19.2	21.4	23.2	23.8	25.9	26.9	26.9	27.1	27.3	27.3	27.9
IV 3000		11.1	13.5	17.2	18.0	21.4	23.6	25.9	26.5	28.7	29.3	29.3	29.7	29.9	29.9	30.5
IV 2500		12.9	15.6	19.2	20.8	23.6	26.1	28.7	31.1	32.5	32.9	32.9	34.1	34.3	34.3	34.9
IV 2000		13.9	16.8	20.6	22.0	24.8	27.2	29.3	30.1	32.5	33.9	33.9	34.1	34.3	34.3	34.9
IV 1800		14.3	17.2	21.4	23.0	25.9	28.3	30.3	31.3	33.7	35.2	35.2	35.4	35.6	35.6	36.2
IV 1500		15.6	18.6	23.0	24.8	27.7	30.1	32.1	32.1	34.8	37.4	37.4	37.6	37.8	37.8	38.4
IV 1200		17.4	20.4	25.7	28.5	31.5	33.9	36.3	37.8	40.4	42.0	42.0	42.2	42.4	42.4	43.0
IV 1000		20.0	23.0	28.9	32.3	35.8	38.4	41.0	43.0	45.7	47.3	47.3	47.5	47.7	47.9	48.5
IV 900		22.2	25.7	31.7	35.6	39.0	42.0	44.6	46.7	49.9	51.2	51.3	51.5	51.7	51.7	52.3
IV 800		23.8	27.2	33.9	37.4	41.4	45.1	48.7	51.5	54.9	56.8	56.8	57.0	57.2	57.2	57.8
IV 700		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 600		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 500		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 400		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 300		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 200		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 100		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8
IV 0		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.8	57.8	59.8	59.8	61.0	61.2	61.2	61.8

TOTAL NUMBER OF OBSERVATIONS 495

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077
STATION

BAUMHOLTER GERMANY AAF
STATION NAME

65-70
YEARS

AGV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0.05	≥0
NO CEILING		8.1	9.2	13.0	13.4	15.4	16.4	17.3	17.9	17.9	17.9	17.9	17.5	17.5	17.5	17.7
≥20000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 18000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 16000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 14000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 12000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 10000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 9000		12.4	13.4	17.9	18.6	20.7	21.7	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.7
IV 8000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 7000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 6000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 5000		15.4	16.4	21.7	22.6	25.6	27.7	29.2	29.2	29.4	30.3	31.1	31.1	31.1	31.1	31.3
IV 4500		15.4	16.4	21.7	22.6	25.6	27.7	29.2	29.2	29.4	30.3	31.1	31.1	31.1	31.1	31.3
IV 4000		15.4	16.4	21.7	22.6	25.6	27.7	29.2	29.2	29.4	30.3	31.1	31.1	31.1	31.1	31.3
IV 3500		16.2	17.7	23.2	24.1	27.1	29.2	30.9	31.3	32.4	33.0	33.0	33.0	33.0	33.3	33.3
IV 3000		16.8	18.6	24.3	25.2	28.4	30.7	32.4	32.8	33.9	34.5	34.5	34.5	34.5	34.8	34.8
IV 2500		19.6	21.3	27.3	28.1	31.4	33.9	35.6	36.0	37.1	37.7	37.7	37.7	37.7	38.0	38.0
IV 2000		21.7	24.1	30.1	30.9	34.2	36.7	38.6	39.0	40.1	40.7	40.7	40.7	40.7	40.9	40.9
IV 1800		22.6	24.9	30.9	32.0	35.4	37.7	39.7	40.1	41.2	41.8	41.8	41.8	41.8	42.0	42.0
IV 1500		24.9	27.3	33.3	34.5	38.2	40.7	42.8	43.1	44.1	44.8	44.8	44.8	44.8	45.0	45.0
IV 1200		27.3	30.7	35.9	36.8	41.1	44.1	46.0	46.4	47.5	48.1	48.1	48.1	48.1	48.3	48.3
IV 1000		30.1	33.3	40.3	42.4	46.9	50.3	52.7	53.3	54.4	55.7	55.7	55.7	55.7	55.9	55.9
IV 900		30.9	34.1	41.6	43.9	48.5	51.7	54.3	54.9	56.0	57.4	57.4	57.4	57.4	57.9	57.9
IV 800		31.8	35.2	42.6	45.4	50.3	53.9	56.7	57.3	58.4	59.8	59.8	59.8	59.8	60.7	60.7
IV 700		32.6	36.0	43.7	46.9	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 600		32.6	36.2	44.1	47.8	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 500		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 400		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 300		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 200		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 100		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2
IV 0		32.6	36.3	44.3	48.4	52.3	56.2	59.2	59.8	60.9	62.3	62.3	62.3	62.3	63.2	63.2

TOTAL NUMBER OF OBSERVATIONS 469

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

6370

YEARS

CV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥1/8	≥0
NO CEILING		10.1	13.5	16.4	18.2	19.3	20.2	20.4	20.7	21.6	21.6	21.6	21.6	21.6	22.5	22.7
≥ 20000		13.0	16.9	20.2	22.5	23.6	24.9	24.9	25.2	26.3	26.3	26.3	26.3	26.3	27.4	27.6
IV 18000		13.0	16.9	20.2	22.5	23.6	24.9	24.9	25.2	26.3	26.3	26.3	26.3	26.3	27.4	27.6
IV 16000		13.0	16.9	20.2	22.5	23.6	24.9	24.9	25.2	26.3	26.3	26.3	26.3	26.3	27.4	27.6
IV 14000		13.0	16.9	20.2	22.5	23.6	24.9	24.9	25.2	26.3	26.3	26.3	26.3	26.3	27.4	27.6
IV 12000		13.0	16.9	20.2	22.5	23.6	24.9	24.9	25.2	26.3	26.3	26.3	26.3	26.3	27.4	27.6
IV 10000		13.7	17.3	20.9	23.1	24.5	25.4	25.8	26.1	27.4	27.4	27.4	27.4	27.4	28.3	28.5
IV 9000		13.9	17.8	21.1	23.4	24.7	25.8	26.3	26.5	27.9	27.9	27.9	27.9	27.9	28.1	29.0
IV 8000		15.3	19.3	22.7	25.4	26.7	27.9	28.3	28.5	29.9	29.9	29.9	29.9	29.9	30.1	31.0
IV 7000		16.0	19.8	23.8	26.7	28.1	29.4	30.1	30.3	31.7	31.7	31.7	31.7	31.7	32.1	33.0
IV 6000		16.0	19.8	23.8	26.7	28.1	29.7	30.6	30.8	32.1	32.4	32.6	32.6	32.6	33.7	33.9
IV 5000		16.4	21.1	25.4	28.3	29.7	31.2	32.1	32.4	33.7	33.9	34.2	34.2	34.2	35.3	35.5
IV 4500		17.8	22.7	27.0	29.9	31.2	32.8	33.7	33.9	35.3	35.5	35.7	35.7	35.7	36.2	37.1
IV 4000		17.8	22.7	27.0	29.9	31.2	32.8	33.7	33.9	35.3	35.5	35.7	35.7	35.7	36.2	37.1
IV 3500		18.9	24.0	28.3	31.2	32.8	34.2	35.1	35.3	36.6	36.9	37.1	37.1	37.1	38.2	38.4
IV 3000		19.4	24.9	29.4	32.4	33.7	35.3	36.2	36.4	37.8	38.0	38.2	38.2	38.2	39.3	39.6
IV 2500		23.1	29.0	33.9	37.1	38.4	40.2	41.3	41.6	42.9	43.4	43.6	43.6	43.6	44.7	44.9
IV 2000		23.8	29.9	35.3	38.9	40.2	42.0	43.1	43.4	44.7	45.2	45.4	45.4	45.4	46.5	46.7
IV 1800		24.3	30.3	36.4	40.0	41.6	43.4	44.7	44.9	46.3	46.7	47.0	47.0	47.0	48.1	48.5
IV 1500		26.3	32.6	38.9	42.7	44.3	47.0	48.8	49.2	50.8	51.2	51.5	51.5	51.5	52.6	53.0
IV 1200		29.4	35.7	42.9	47.0	48.8	51.9	53.5	54.4	56.2	56.6	56.9	57.1	57.1	58.2	58.4
IV 1000		29.7	36.6	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.1	61.1	62.2	62.7
IV 900		29.7	36.6	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.1	61.1	62.2	62.7
IV 800		29.7	36.6	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.1	61.1	62.2	62.7
IV 700		29.9	37.1	44.7	49.2	51.0	56.2	57.8	61.8	67.0	69.2	69.4	69.4	69.4	70.1	71.0
IV 600		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 500		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 400		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 300		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 200		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 100		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7
IV 0		30.3	37.8	45.2	50.1	51.9	57.3	59.0	63.0	69.7	71.9	72.1	72.1	72.1	73.3	73.7

TOTAL NUMBER OF OBSERVATIONS 445

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

STATION 34077 SAUMHOLDER GERMANY AAE

65

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ ¼	≥ 0
NO CEILING		3.4	3.4	3.4	10.3	20.7	27.6	27.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 18000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 12000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 10000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 9000		3.4	3.4	3.4	10.3	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 8000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 7000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 5000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 4500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 4000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 3500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 3000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 2500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 2000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 1800		3.4	3.4	3.4	17.2	31.0	37.9	37.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 1500		3.4	3.4	3.4	17.2	31.0	37.9	37.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 1200		3.4	3.4	3.4	20.7	34.5	41.4	41.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 1000		3.4	3.4	3.4	20.7	34.5	41.4	41.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 900		3.4	3.4	3.4	20.7	34.5	44.8	44.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 800		3.4	3.4	3.4	20.7	34.5	44.8	44.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 700		3.4	3.4	3.4	20.7	34.5	44.8	44.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 600		3.4	3.4	3.4	20.7	34.5	48.3	48.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 500		3.4	3.4	3.4	20.7	34.5	48.3	48.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 400		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 300		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 200		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 100		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 0		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65-70

25C

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		2.4	2.4	8.9	8.9	8.9	10.5	12.1	13.7	19.4	20.2	20.2	20.2	20.2	21.0	21.0
IV 20000		3.2	3.2	9.7	9.7	9.7	11.3	12.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 18000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 16000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 14000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 12000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 10000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 9000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 8000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 7000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 6000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 5000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 4500		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.2	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 4000		3.2	3.2	9.7	10.5	10.5	12.9	15.2	16.9	23.4	24.2	24.2	24.2	24.2	25.0	25.8
IV 3500		4.0	4.0	10.5	12.1	12.1	14.5	16.9	18.5	26.6	27.4	27.4	27.4	27.4	28.2	29.0
IV 3000		4.0	4.0	12.1	13.7	13.7	16.1	18.5	20.2	28.2	29.0	29.0	29.0	29.0	29.8	30.6
IV 2500		4.8	4.8	12.9	15.2	15.2	17.7	20.2	21.8	29.8	30.6	30.6	30.6	30.6	31.5	32.3
IV 2000		4.8	4.8	13.7	16.9	16.9	21.0	24.2	25.8	33.9	34.7	34.7	34.7	34.7	35.5	37.9
IV 1800		4.8	5.6	13.7	16.9	16.9	21.0	24.2	25.8	33.9	34.7	34.7	34.7	34.7	35.5	37.9
IV 1500		4.8	5.6	14.5	18.5	18.5	22.6	25.8	27.4	37.9	38.7	38.7	38.7	38.7	40.3	41.1
IV 1200		4.8	6.4	16.1	20.2	20.2	24.2	27.4	29.0	43.9	44.7	44.7	44.7	44.7	46.0	46.8
IV 1000		5.6	7.2	16.9	21.0	21.0	25.0	28.2	29.8	46.8	48.4	48.4	48.4	48.4	49.2	50.0
IV 900		5.6	7.2	16.9	21.0	21.0	25.0	28.2	29.8	48.4	50.0	50.0	50.0	50.0	50.8	51.6
IV 800		5.6	7.2	17.7	21.8	22.6	26.6	30.6	32.2	52.4	54.0	54.0	54.0	54.0	54.8	55.6
IV 700		5.6	7.2	17.7	21.8	22.6	27.4	32.2	33.9	54.0	55.6	55.6	55.6	55.6	56.4	57.2
IV 600		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	61.7	64.3	64.3	64.3	64.3	65.1	66.1
IV 500		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	64.3	67.9	67.9	67.9	67.9	68.7	69.5
IV 400		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	76.4	77.2
IV 300		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	76.4	77.2
IV 200		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	76.4	77.2
IV 100		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	76.4	77.2
IV 0		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	76.4	77.2

TOTAL NUMBER OF OBSERVATIONS 124

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 STATION SAUMHOLDER GERMANY AAF

65-76

YEARS

50-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800

CEILING (FEET)	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥1/20	≥0
NO CEILING		4.5	5.3	9.2	10.0	10.9	10.9	11.5	12.0	14.7	15.8	15.8	16.0	16.0	16.2	16.7	16.7
≥ 20000		4.9	6.0	10.0	10.9	11.1	12.2	13.0	13.5	16.2	17.2	17.3	17.5	17.5	17.7	18.2	18.2
IV 18000		4.9	6.0	10.0	10.9	11.1	12.2	13.0	13.5	16.2	17.2	17.3	17.5	17.5	17.7	18.2	18.2
IV 16000		4.9	6.0	10.0	10.9	11.1	12.2	13.0	13.5	16.2	17.2	17.3	17.5	17.5	17.7	18.2	18.2
IV 14000		4.9	6.0	10.0	10.9	11.1	12.2	13.0	13.5	16.2	17.2	17.3	17.5	17.5	17.7	18.2	18.2
IV 12000		4.9	6.0	10.0	10.9	11.1	12.2	13.0	13.5	16.2	17.2	17.3	17.5	17.5	17.7	18.2	18.2
IV 10000		5.1	6.2	10.3	11.1	11.3	12.4	13.2	13.7	16.7	17.7	17.7	17.9	17.9	18.2	18.6	18.6
IV 9000		5.1	6.2	10.3	11.1	11.3	12.4	13.2	13.7	16.7	17.7	17.7	17.9	17.9	18.2	18.6	18.6
IV 8000		5.8	6.8	10.9	12.0	12.2	13.5	14.3	14.7	18.2	19.2	19.2	19.4	19.4	19.7	20.1	20.1
IV 7000		5.8	6.8	11.1	12.2	12.4	13.7	14.7	15.2	18.6	19.7	19.7	19.9	19.9	20.1	20.5	20.5
IV 6000		5.8	6.8	11.1	12.2	12.4	13.9	15.0	15.4	18.8	19.9	19.9	20.1	20.1	20.3	20.7	20.7
IV 5000		5.8	6.8	11.1	12.2	12.4	13.9	15.0	15.4	18.8	19.9	19.9	20.1	20.1	20.3	20.7	20.7
IV 4500		5.8	6.8	11.1	12.2	12.4	13.9	15.0	15.4	18.8	19.9	19.9	20.1	20.1	20.3	20.7	20.7
IV 4000		5.8	6.8	11.1	12.2	12.4	13.9	15.0	15.4	18.8	19.9	19.9	20.1	20.1	20.3	20.7	20.7
IV 3500		6.4	7.5	11.8	13.2	13.7	15.4	16.7	17.1	20.9	22.2	22.2	22.4	22.4	22.6	23.1	23.1
IV 3000		7.1	8.5	14.3	15.8	16.7	19.4	20.9	21.4	25.9	27.4	27.4	27.6	27.6	27.8	28.2	28.2
IV 2500		8.1	9.6	16.2	17.7	18.6	21.4	22.9	23.9	28.0	29.5	29.5	29.7	29.7	29.9	30.3	30.3
IV 2000		8.8	10.3	17.3	19.7	20.3	24.4	26.1	27.1	32.3	34.0	34.0	34.2	34.2	34.4	34.8	34.8
IV 1800		9.8	10.3	17.3	19.7	20.7	24.4	26.3	27.4	32.3	34.2	34.2	34.4	34.4	34.6	35.0	35.0
IV 1500		9.4	10.9	18.4	21.2	22.2	26.3	28.2	29.3	34.6	36.2	36.2	36.4	36.4	36.6	37.0	37.0
IV 1200		10.9	12.6	20.9	24.1	25.4	29.7	31.6	32.9	39.9	41.2	41.7	41.9	41.9	42.1	42.5	42.5
IV 1000		11.1	13.7	22.2	25.9	27.1	31.4	33.2	34.8	43.2	44.9	45.3	45.7	45.9	46.2	46.6	46.6
IV 900		11.1	13.7	22.6	26.3	28.2	33.1	35.0	36.8	45.9	47.6	48.1	48.5	48.7	48.9	49.4	49.4
IV 800		11.1	13.7	23.3	27.1	29.1	34.8	37.2	39.1	49.4	51.3	51.7	52.1	52.1	52.6	53.0	53.0
IV 700		11.1	13.7	23.3	27.4	29.3	35.3	38.3	40.8	53.2	56.4	56.8	57.3	57.3	57.7	58.1	58.1
IV 600		11.8	14.5	24.6	28.8	30.8	37.4	40.6	43.4	56.8	60.5	60.9	61.3	61.3	61.8	62.2	62.2
IV 500		11.8	14.5	24.6	29.1	31.2	38.3	42.7	45.7	62.4	66.2	66.6	67.3	67.3	67.7	68.2	68.2
IV 400		11.8	14.7	24.8	29.3	31.4	38.9	44.0	47.0	67.7	74.1	75.4	76.3	76.3	76.7	77.1	77.1
IV 300		11.8	14.7	24.8	29.3	31.4	39.1	44.2	47.2	69.0	78.2	80.6	83.1	84.2	84.8	86.5	86.5
IV 200		11.8	14.7	24.8	29.3	31.4	39.1	44.2	47.2	69.2	78.8	81.6	85.3	87.8	89.7	91.7	91.7
IV 100		11.8	14.7	24.8	29.3	31.4	39.1	44.2	47.2	69.2	78.8	81.6	85.3	89.1	91.5	96.6	96.6
IV 0		11.8	14.7	24.8	29.3	31.4	39.1	44.2	47.2	69.2	78.8	81.6	85.3	89.1	91.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 468

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34077 BAUMHOLTER GERMANY AAF

65-70

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2930-1150

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		7.4	8.4	11.3	11.7	11.7	12.7	13.3	13.5	13.7	13.9	13.9	13.9	13.9	13.9	13.9
≥ 20000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 18000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 16000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 14000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 12000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 10000		7.8	9.2	12.1	12.7	12.7	13.9	14.5	14.8	15.0	15.4	15.4	15.4	15.4	15.4	15.4
IV 9000		7.8	9.2	12.1	12.7	12.7	13.9	14.5	14.8	15.0	15.4	15.4	15.4	15.4	15.4	15.4
IV 8000		7.8	9.2	12.3	13.1	13.1	14.3	15.0	15.2	15.8	16.4	16.4	16.4	16.4	16.4	16.4
IV 7000		7.8	9.2	12.3	13.1	13.1	14.3	15.0	15.2	15.8	16.4	16.4	16.4	16.4	16.4	16.4
IV 6000		7.8	9.2	12.3	13.1	13.1	14.3	15.0	15.2	15.8	16.4	16.4	16.4	16.4	16.4	16.4
IV 5000		8.0	9.6	13.5	14.5	14.5	16.6	17.6	17.8	18.9	19.7	19.7	19.7	19.7	19.7	19.7
IV 4500		8.0	9.6	13.5	14.5	14.5	16.6	17.6	17.8	18.9	19.7	19.7	19.7	19.7	19.7	19.7
IV 4000		8.2	9.8	13.7	15.6	15.6	18.0	19.1	19.9	20.1	20.9	20.9	20.9	20.9	20.9	20.9
IV 3500		8.4	10.2	14.1	16.2	16.2	19.4	20.5	20.7	23.2	24.0	24.0	24.0	24.0	24.0	24.0
IV 3000		9.2	11.3	15.6	18.2	18.2	21.9	22.5	23.0	26.0	26.8	26.8	26.8	26.8	26.8	26.8
IV 2500		9.6	11.9	16.6	20.1	20.1	21.9	22.5	23.0	26.0	26.8	26.8	26.8	26.8	26.8	26.8
IV 2000		10.0	12.9	18.4	22.5	22.5	24.6	25.6	26.2	30.1	31.4	31.4	31.4	31.4	31.4	31.4
IV 1800		10.9	12.9	18.4	22.5	22.5	24.6	25.6	26.2	30.1	31.4	31.4	31.4	31.4	31.4	31.4
IV 1500		11.3	14.3	20.9	25.2	25.2	27.8	28.5	29.1	33.0	34.4	34.4	34.4	34.4	34.4	34.4
IV 1200		11.9	15.2	21.9	26.2	26.2	28.7	30.3	31.1	35.0	36.7	36.7	36.7	36.7	36.7	36.7
IV 1000		13.9	17.4	25.0	29.7	29.7	32.8	34.6	35.2	40.0	41.6	41.6	41.6	41.6	41.6	41.6
IV 900		14.1	18.0	25.8	30.9	30.9	34.4	36.3	36.9	42.6	44.3	44.3	44.3	44.3	44.3	44.3
IV 800		14.8	18.9	27.3	32.8	32.8	37.3	39.5	40.2	46.1	48.2	48.2	48.2	48.2	48.2	48.2
IV 700		15.4	19.7	29.1	34.8	34.8	40.2	43.9	45.1	52.0	54.9	54.9	54.9	54.9	54.9	54.9
IV 600		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 500		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 400		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 300		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 200		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 100		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 0		15.6	20.1	30.3	36.2	36.2	42.0	46.7	48.2	55.9	58.4	58.4	58.4	58.4	58.4	58.4

TOTAL NUMBER OF OBSERVATIONS 488

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24077 BAUMHOLTER GERMANY AAF

65-70

EC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000		4.2	5.8	6.9	7.6	7.6	8.4	8.4	8.4	9.1	9.3	9.3	9.3	9.3	9.3	9.3
IV 18000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 16000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 14000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 12000		5.3	7.2	8.9	9.8	9.8	10.7	10.7	10.9	11.6	11.8	11.8	11.8	11.8	11.8	11.8
IV 10000		5.3	7.6	9.1	10.0	10.0	10.9	10.9	11.1	12.0	12.2	12.2	12.2	12.2	12.2	12.2
IV 9000		5.3	7.6	9.1	10.0	10.0	10.9	10.9	11.1	12.0	12.2	12.2	12.2	12.2	12.2	12.2
IV 8000		5.6	7.6	10.0	11.1	11.1	12.0	12.0	12.2	13.3	13.6	13.6	13.6	13.6	13.6	13.6
IV 7000		6.2	8.4	11.1	12.4	12.4	13.3	13.3	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000		6.2	8.4	11.1	12.4	12.4	13.3	13.3	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000		6.2	8.4	11.1	12.4	12.4	13.3	13.3	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 4500		6.2	8.4	12.2	13.6	13.6	14.7	15.1	15.3	17.6	18.0	18.2	18.2	18.2	18.2	18.2
IV 4000		6.4	8.9	12.7	14.4	14.4	16.2	16.7	16.9	19.1	19.6	19.8	19.8	19.8	19.8	19.8
IV 3500		6.9	8.9	12.7	14.7	15.1	16.7	17.1	17.3	19.6	20.0	20.2	20.2	20.2	20.2	20.2
IV 3000		6.7	9.8	14.0	16.7	17.1	19.3	19.3	20.0	23.6	24.0	24.2	24.2	24.2	24.2	24.2
IV 2500		8.0	11.6	15.9	20.0	20.6	22.7	23.1	23.3	26.9	27.3	27.6	27.6	27.6	27.6	27.6
IV 2000		8.7	12.2	17.6	20.7	21.1	23.6	24.2	24.4	28.2	28.7	28.9	28.9	28.9	28.9	28.9
IV 1800		3.9	12.4	18.2	21.3	21.8	24.2	24.9	25.1	28.9	29.3	29.6	29.6	29.6	29.6	29.6
IV 1500		12.0	16.2	22.0	25.1	25.8	28.4	29.3	29.6	33.0	34.2	34.4	34.4	34.4	34.4	34.4
IV 1200		15.1	20.0	25.7	30.2	30.9	34.2	35.0	35.0	40.7	41.3	41.6	41.6	41.6	41.6	41.6
IV 1000		15.4	20.9	26.4	32.4	32.1	36.7	38.2	38.7	44.9	45.6	45.8	45.8	45.8	45.8	45.8
IV 900		15.0	21.8	29.6	33.8	35.1	38.9	41.1	41.6	47.8	48.4	48.7	48.7	48.7	48.7	48.7
IV 800		17.3	23.2	31.6	36.0	36.4	42.1	45.6	46.2	53.1	53.8	54.0	54.0	54.0	54.0	54.0
IV 700		17.6	23.6	33.1	38.0	40.7	45.8	48.9	49.8	57.8	58.9	59.1	59.1	59.1	59.1	59.1
IV 600		17.6	23.6	33.1	38.2	41.1	46.2	50.7	52.0	61.1	62.7	62.9	62.9	62.9	62.9	62.9
IV 500		17.6	23.6	33.3	39.1	42.0	47.8	52.2	54.0	66.2	70.7	70.9	70.9	70.9	70.9	70.9
IV 400		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	71.6	75.6	80.0	80.4	80.4	80.4	80.4
IV 300		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.1	84.9	85.3	86.0	86.7	86.7
IV 200		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.1	86.2	88.2	90.4	91.2	92.3
IV 100		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.1	86.4	88.7	92.2	93.6	99.6
IV 0		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.1	86.4	88.7	92.2	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS 430

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDEK GERMANY AAF

65-70

EC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		2.6	5.4	6.4	7.4	7.9	8.7	8.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
IV 20000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 18000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 16000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 14000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 12000		3.1	6.9	8.2	9.4	9.9	10.7	11.2	11.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 10000		3.3	7.1	8.4	9.7	10.2	11.0	11.5	11.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 9000		3.8	7.7	8.9	10.2	10.7	11.5	12.0	12.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 8000		4.6	8.4	10.5	11.7	12.2	13.0	13.8	13.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 7000		4.8	8.7	10.7	12.5	13.0	13.8	14.8	14.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000		4.8	8.7	10.7	12.5	13.0	13.8	14.8	14.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000		4.8	8.9	11.0	12.8	13.3	14.0	14.8	14.8	16.8	16.8	17.1	17.1	17.1	17.1	17.1
IV 4500		4.8	8.9	11.2	13.0	13.5	14.3	15.1	15.1	17.1	17.1	17.3	17.3	17.3	17.3	17.3
IV 4000		4.8	8.9	11.2	13.5	14.3	15.3	16.1	16.1	18.4	18.4	18.6	18.6	18.6	18.6	18.6
IV 3500		5.1	9.2	12.0	14.3	15.3	16.3	17.3	17.3	19.6	19.6	19.9	19.9	19.9	19.9	19.9
IV 3000		5.6	9.9	13.5	16.1	16.8	18.9	20.2	20.2	23.2	23.2	23.5	23.5	23.5	23.5	23.5
IV 2500		7.4	12.2	16.1	19.1	19.9	21.9	23.2	23.2	26.3	26.3	26.8	26.8	26.8	26.8	26.8
IV 2000		9.2	14.3	18.1	21.2	21.9	24.2	25.8	25.8	29.1	29.3	29.6	29.6	29.6	29.6	29.6
IV 1800		9.2	14.3	18.1	21.2	21.9	24.2	25.8	25.8	29.3	30.1	30.4	30.4	30.4	30.4	30.4
IV 1500		10.5	16.3	20.7	24.0	24.7	27.8	29.3	29.3	33.2	33.4	33.7	33.7	33.7	33.7	33.7
IV 1200		11.2	17.1	22.2	25.8	26.3	30.9	32.7	32.7	36.8	37.3	37.5	37.5	37.5	37.5	37.5
IV 1000		11.7	18.1	23.5	27.0	27.8	32.7	34.4	34.4	38.9	41.3	42.3	42.3	42.6	42.6	42.6
IV 900		12.0	18.6	24.0	27.8	28.6	33.7	35.7	35.7	40.7	43.0	44.9	44.9	45.2	45.2	45.2
IV 800		12.0	18.9	24.2	28.3	29.3	34.9	37.5	37.5	42.9	45.9	48.2	48.2	48.7	48.7	48.7
IV 700		12.5	19.4	26.3	30.9	31.9	38.3	40.8	42.3	45.0	48.1	50.3	50.3	50.4	50.4	50.4
IV 600		12.5	19.4	26.3	31.1	32.1	39.0	42.9	44.9	46.1	49.1	52.4	52.4	52.7	52.7	52.7
IV 500		12.5	19.4	26.3	31.6	32.7	40.1	43.7	45.9	47.0	50.0	53.1	53.1	53.4	53.4	53.4
IV 400		12.5	19.4	26.3	31.6	33.2	41.1	45.9	50.0	51.1	54.1	57.4	57.4	57.7	57.7	57.7
IV 300		12.5	19.4	26.3	31.6	33.2	41.1	47.4	51.3	52.4	55.4	58.7	58.7	59.0	59.0	59.0
IV 200		12.5	19.4	26.3	31.6	33.2	41.1	47.4	51.3	52.4	55.4	58.7	58.7	59.0	59.0	59.0
IV 100		12.5	19.4	26.3	31.6	33.2	41.1	47.4	51.3	52.4	55.4	58.7	58.7	59.0	59.0	59.0
IV 0		12.5	19.4	26.3	31.6	33.2	41.1	47.4	51.3	52.4	55.4	58.7	58.7	59.0	59.0	59.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65-70

EC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1522-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		2.6	5.4	6.4	7.4	7.9	8.7	8.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 20000		2.6	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 18000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 16000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 14000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 12000		3.1	6.9	8.2	9.4	9.9	10.7	11.2	11.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 10000		3.3	7.1	8.4	9.7	10.2	11.0	11.5	11.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 9000		3.8	7.7	8.9	10.2	10.7	11.5	12.0	12.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 8000		4.6	8.4	10.5	11.1	12.2	13.0	13.8	13.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 7000		4.8	8.7	10.7	12.3	13.0	13.8	14.5	14.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000		4.8	8.7	10.7	12.3	13.0	13.8	14.5	14.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000		4.8	8.9	11.0	12.8	13.2	14.0	14.8	14.8	16.8	16.8	17.1	17.1	17.1	17.1	17.1
IV 4500		4.8	8.9	11.2	13.0	13.5	14.2	15.1	15.1	17.1	17.1	17.3	17.3	17.3	17.3	17.3
IV 4000		4.8	8.9	11.2	13.3	14.2	15.2	16.1	16.1	18.4	18.4	18.6	18.6	18.6	18.6	18.6
IV 3500		5.1	9.2	12.0	14.2	15.1	16.2	17.3	17.3	19.6	19.6	19.9	19.9	19.9	19.9	19.9
IV 3000		5.6	9.9	13.5	16.1	16.1	18.9	20.2	20.2	23.2	23.2	23.5	23.5	23.5	23.5	23.5
IV 2500		7.4	12.2	16.1	19.1	19.1	21.9	23.2	23.2	26.3	26.3	26.8	26.8	26.8	26.8	26.8
IV 2000		9.2	14.3	18.1	21.2	21.2	24.2	25.8	25.8	29.1	29.1	29.6	29.6	29.6	29.6	29.6
IV 1800		9.2	14.3	18.1	21.2	21.2	24.2	25.8	25.8	29.1	29.1	29.6	29.6	29.6	29.6	29.6
IV 1500		10.5	16.3	20.7	24.0	24.0	27.8	29.3	29.3	33.2	33.2	33.7	33.7	33.7	33.7	33.7
IV 1200		11.2	17.1	22.2	25.8	25.8	30.9	32.7	32.7	36.3	36.3	36.9	36.9	36.9	36.9	36.9
IV 1000		11.7	18.1	23.5	27.0	27.0	32.7	34.4	34.4	41.2	41.2	42.3	42.3	42.3	42.3	42.3
IV 900		12.0	18.6	24.0	27.8	27.8	33.7	35.7	35.7	43.6	43.6	44.9	44.9	44.9	44.9	44.9
IV 800		12.0	18.9	24.2	28.2	28.2	34.9	37.5	37.5	46.9	46.9	48.2	48.2	48.2	48.2	48.2
IV 700		12.3	19.4	26.3	30.9	30.9	38.3	40.8	40.8	51.0	51.0	53.1	53.1	53.1	53.1	53.1
IV 600		12.3	19.4	26.3	31.1	31.1	39.0	42.9	42.9	54.1	54.1	56.4	56.4	56.4	56.4	56.4
IV 500		12.3	19.4	26.3	31.6	31.6	40.1	45.7	45.7	62.0	62.0	67.6	67.6	67.6	67.6	67.6
IV 400		12.3	19.4	26.3	31.6	31.6	41.1	46.9	46.9	65.1	65.1	71.9	71.9	71.9	71.9	71.9
IV 300		12.3	19.4	26.3	31.6	31.6	41.1	47.4	47.4	67.7	67.7	76.3	76.3	76.3	76.3	76.3
IV 200		12.3	19.4	26.3	31.6	31.6	41.1	47.4	47.4	67.7	67.7	76.3	76.3	76.3	76.3	76.3
IV 100		12.3	19.4	26.3	31.6	31.6	41.1	47.4	47.4	67.7	67.7	76.3	76.3	76.3	76.3	76.3
IV 0		17.3	19.4	26.3	31.6	31.6	41.1	47.4	47.4	67.7	67.7	76.3	76.3	76.3	76.3	76.3

TOTAL NUMBER OF OBSERVATIONS 392

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077
STATION

BACHMOLDER GERMANY AAF
STATION NAME

65
YEAR

EC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

146X=2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	>2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥.4	≥.0
NO CEILING ≥ 20000					3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 16000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 14000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 12000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 10000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 9000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 8000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	18.5
IV 7000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 6000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 5000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 4500					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 4000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 3500					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	22.2
IV 3000					11.1	11.1	14.8	18.5	18.5	18.5	25.9	25.9	25.9	25.9	25.9	25.9
IV 2500				3.7	11.1	11.1	14.8	18.5	18.5	18.5	25.9	25.9	25.9	25.9	25.9	25.9
IV 2000		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 1800		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 1500		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 1200		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 1000		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 900		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 800		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 700		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 600		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 500		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 400		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 300		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 200		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 100		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 0		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	33.3

TOTAL NUMBER OF OBSERVATIONS 27

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	4.1	1.3	2.3	3.0	3.1	1.9	2.2	2.8	3.9	5.3	70.8	5.5	1790
FEB		6.3	2.6	1.3	2.1	2.9	2.7	2.1	1.8	5.8	6.3	66.3	6.3	2103
MAR		8.3	3.3	1.4	2.4	2.7	2.2	2.8	3.2	8.7	8.3	57.5	7.9	2197
APR		8.9	2.3	1.4	3.9	3.3	3.0	4.2	1.2	3.6	10.2	31.9	7.7	2237
MAY		3.0	3.0	1.7	4.7	4.0	4.2	4.6	2.0	11.7	12.2	45.9	7.7	2389
JUN		3.8	14.2	1.7	12.9	4.6	7.6	3.2	1.6	6.6	9.1	31.8	6.0	2402
JUL		6.6	3.9	1.2	4.2	4.1	3.3	3.0	3.4	10.0	12.8	44.3	7.5	2342
AUG		4.1	3.1	1.2	2.8	4.8	1.0	3.7	2.9	7.9	9.8	36.8	6.1	2372
SEP		9.4	3.6	3.0	2.9	4.2	4.3	3.2	2.0	13.5	17.6	37.1	7.2	2269
OCT		9.5	4.4	1.3	3.2	3.3	3.1	3.1	1.9	6.4	8.1	55.3	7.6	2313
NOV		7.4	2.3	1.8	1.7	3.3	3.4	1.8	1.0	4.7	5.6	68.8	6.3	2090
DEC		5.6	1.8	1.6	1.9	1.9	1.3	2.4	1.8	4.1	4.3	76.6	6.8	1937
TOTALS		6.8	3.8	1.5	3.9	3.8	3.6	3.0	1.9	7.7	9.2	55.3	7.2	26451

1

SKY COVER

JA'

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

1

SKY COVER

८८३

MONITOR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

USAF ETAC FORM 0.9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

4AR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02													
	03-05	9.7	3.0	.6	4.2	3.5	1.2	1.2	1.2	7.9	4.8	50.6	7.7	165
	06-08	7.6	3.3	1.0	2.5	1.9	2.7	2.7	1.2	6.6	7.4	63.0	8.1	514
	09-11	7.8	3.3	.8	1.8	2.5	2.7	3.1	1.4	9.8	9.2	37.4	8.0	512
	12-14	5.8	1.7	.8	2.3	2.5	4.8	4.1	3.1	10.6	11.0	33.3	8.1	482
	15-17	7.4	3.5	1.7	1.9	2.2	1.9	3.6	1.7	10.8	12.1	51.1	7.8	462
	18-20	11.3	4.8	3.2	1.6	1.6			4.8	6.3	6.3	59.7	7.6	62
	21-23													
TOTALS		6.3	3.3	1.4	2.4	2.7	2.2	2.8	2.2	6.7	6.3	37.3	7.9	2197

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94077 BAUMHOLDER GERMANY AAF

63-70

VAY

STATION

STATION NAME

PERIOD

MONIK

[illegible]

SKY COVER

100

STATION

STATION NAME

PERIOD

MONTH

[illegible]

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34077 BAUMHOLZER GERMANY 41F

65-70

406

STATION

STATION A

PERIOD

MONIH

[illegible]

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34077 BAUMHÜLDER GERMANY AAF

65-70

52P

STATION

STATION NAME

PERIOD

MONITOR

[illegible]

SKY COVER

257

MONIN

[illegible]

1

42

65-70

STATION

STATION NAME

PERIOD

MONTH

2

Exhibit

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4

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1

^EC
MÖNTK

63670

PERIOD

USAF ETAC FORM 0-9.5 (OLI) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature

DATA NOT AVAILABLE
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
DATA NOT AVAILABLE
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in .7 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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PSYCHROMETRIC SUMMARY

34077 BAUMFELDER GERMANY AAF

65-70

ALL MONTH

PAGE 2

ALL HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB	WB	Dry Bulb	Wet Bulb	Dew Point																	
22/ 21	.5	.4																240	240	304	442																		
20/ 19	.3	.3		.0														150	158	164	279																		
18/ 17	.3	.2																113	117	142	194																		
16/ 15	.1	.1																56	65	64	164																		
14/ 13	.1	.1																66	72	65	169																		
12/ 11	.1	.1																35	38	47	84																		
10/ 9	.0	.0																11	13	16	45																		
8/ 7	.0	.0																1	11	11	36																		
6/ 5	.0	.0																3	3	3	29																		
4/ 3	.0	.0																4	4	3	9																		
2/ 1																					1																		
0/ 0																						3																	
-2/ -3																						4																	
-4/ -5																						1																	
TOTAL	14.8	36.2	16.2	10.9	8.8	5.7	3.7	2.2	.9	.4	.2	.0						26463		26494	26463																		
Element (X)	Σx²			Σx			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ					
Rel. Hum.	168473773			2065515			78,116,557			26463			Σ 0 F			Σ 32 F			Σ 67 F			Σ 73 F			Σ 80 F			Σ 93 F			Total								
Dry Bulb	57480184			1282744			48,414,243			26494			1414,9			871.3			356,3			84.6									8760								
Wet Bulb	56332717			1181327			44,611,660			26463			1694,3			93.0			.6												8760								
Dew Point	48098661			1088233			41,111,247			26463			3,12341.6			3.2															8760								

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ALL

HOURS 5 5 *

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	31	D.B. W.B.	Wet Bulb Dew Po.															
52/51				.3	.1														6	6															
50/49			.3	.1															7	7															
48/47	.1	.7	.3	.2															25	25	3	2													
46/45	.7	1.0	.6	.1															43	43	38	24													
44/43	.3	2.0	.7																57	57	45	19													
42/41	1.7	3.9	.7	.1															113	113	99	66													
40/39	1.8	6.0	.8																151	151	129	57													
38/37	1.8	8.1	1.3	.2															202	202	162	149													
36/35	1.8	5.6	.7																143	143	180	170													
34/33	2.9	5.0	.1																142	142	169	140													
32/31	3.3	4.4	.4																144	144	165	186													
30/29	5.0	4.1	.3																166	166	174	160													
28/27	5.4	1.9																	129	129	149	147													
26/25	2.3	2.4	.1																84	84	75	127													
24/23	1.5	3.7	.2																94	94	82	84													
22/21	2.5	1.6																	73	73	97	69													
20/19	1.9	1.4																	58	66	58	78													
18/17	1.3	1.1																	42	45	45	67													
16/15	.5	.6																	20	25	25	48													
14/13	.8	1.2																	37	40	35	33													
12/11	.5	.3																	14	17	24	26													
10/9	.2	.1																	5	7	5	22													
8/7	.3	.1																	7	8	8	27													
6/5	.1	.1																	3	3	3	17													
4/3	.1	.1																	4	4	3	5													
2/1																					1	1													
0/-1																						2													
-2/-3																						2													
-4/-5																						1													
TOTAL	37.1	55.4	6.4	1.0	.1														1769	1794	1769	1769													

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FORM
MAY 64

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

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STATION

STATION NAME

YEARS

PAGE 2

ALL

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PSYCHROMETRIC SUMMARY

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FORM 0-26.5 (01 A)

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YEARS

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PAGE 1 1800-2000

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65-70

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STATION STATION NAME

PAGE 1 CB0060500

Temp (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																												TOTAL		TOTAL	
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	DB. WB	Dry Bulb	Wet Bulb	Dew Point								
50/49			.7																		1	1										
48/47		.7	.7																		2	2	1	1								
46/45		.7	.7																		3	3	2	2								
44/43	2.0	4.6																			11	11	7	4								
42/41	2.6	2.6																			8	8	12	8								
40/39	3.9	4.6																			13	13	10	14								
38/37	2.6	.7																			5	5	9	10								
36/35	4.6	5.9																			16	16	8	11								
34/33	3.3	3.3																			10	10	14	9								
32/31	2.6	5.9																			13	13	15	9								
30/29	3.9	3.3																			11	11	12	15								
28/27	3.2	3.3																			13	13	15	9								
26/25	2.0	4.6																			16	16	7	11								
24/23	4.6	2.6																			11	11	13	11								
22/21	2.6	3.3																			9	9	6	13								
20/19	2.0																				3	3	7	4								
18/17	5.2	.7																			9	9	8	12								
16/15		.7																			1	1	2	4								
14/13	.7	.7																			2	2	1	1								
12/11	.7																				1	1	2	2								
10/9	.7																				1	1	1	1								
8/7		.7																			1	1										
4/3																																
0/0																																
TOTAL	49.7	48.4	2.0																		153	153	133	153								

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0.26.5 (01 A)

USAFETAC

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34077	BAUMHOLDER GERMANY AAF
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PAGE 1 0600-0800

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YEARS

References

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USAFETAC FORM 0.26-5 (OLA)

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STATION NAME

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PAGE 1 1209-1350

1205-1300

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew P.			
56/55																													2	2					
54/53																													1	1					
52/51																													15	15					
50/49																													10	10					
48/47																													17	17	14	3			
46/45																													27	27	28	14			
44/43																													40	40	26	20			
42/41																													28	28	34	27			
40/39																													32	32	23	16			
38/37																													43	43	34	11			
36/35																													54	54	56	52			
34/33																													55	55	52	46			
32/31																													42	42	61	48			
30/29																													29	29	47	41			
28/27																													35	35	38	31			
26/25																													20	20	28	39			
24/23																													9	9	13	41			
22/21																													7	7	6	28			
20/19																													2	2	6	12			
18/17																													5	5	4	7			
16/15																													1	1		4			
14/13																																			
12/11																																			
TOTAL	17.948	320.3	10.5	2.1	.6																								47						

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65-70

References

PAGE 1 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25	26	27-28	29-30	31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point												
56/35						.2																1	1														
54/33					.2	.9																3	3														
52/31					.4	.9																5	5														
50/49			.2	1.5	.4																	10	10														
48/47	.4	2.0	.9	.7																		13	13	6	3												
46/45	.4	2.4	1.8	.9	.2																	26	26	29	9												
45/43	.4	3.5	2.7	.9																		33	33	28	17												
42/41	1.3	2.2	2.7	1.3																		34	34	29	30												
40/39	.4	2.4	2.2	.2																		24	24	26	16												
38/37	.4	6.0	1.1																			34	34	33	22												
36/35	1.8	5.8	1.5	.4																		43	43	31	41												
34/33	1.3	8.0	3.6	.4																		61	61	39	44												
32/31	2.0	6.6	1.3																			45	45	56	48												
30/29	.9	4.2	.9																			27	27	38	47												
28/27	3.1	3.6	.2																			32	32	47	41												
26/25	2.0	1.5																				16	16	19	36												
24/23	2.2	2.4																				21	21	21	40												
22/21	.4	.9																				6	6	7	27												
20/19		.7																				3	3	5	14												
18/17	.7																					3	3	4	3												
16/15	.9																					4	4	4	8												
14/13																									3												
12/11																									3												
TOTAL	18.8	52.7	20.4	6.0	2.0	.2																	432	432	432	452											

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STATION

STATION NAME

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44

PAGE 1 C300-C500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28	29	30	31	DB W.B.	Dry Bulb	Wet Bulb	Dew Pt.												
48/47		.6																		2	2	1													
46/45	1.2	1.2																		4	4	4	4												
44/43	.6	2.4																		5	6	5	2												
42/41	.6	9.1	.6																	17	17	11	6												
40/39	4.9	3.7	1.2																	15	16	16	18												
38/37	3.7	7.3																		19	18	15	17												
36/35	3.7	7.9																		16	19	20	14												
34/33	3.7	5.5																		15	15	17	14												
32/31	3.7	5.3																		15	15	21	19												
30/29	3.7	4.3																		13	13	16	17												
28/27	4.3	1.8																		16	16	13	14												
26/25	3.7	3.0																		11	11	11	9												
24/23	1.8	3.0																		3	8	6	11												
22/21	1.2	.6																		3	3	6	7												
20/19	.6	.6																		2	2	1	4												
18/17																							1												
16/15		.6																		1	2		2												
14/13	.6																			1			1												
12/11	.6	1.2																		1	1	2	1												
10/9																				3	3	3	1												
8/7																							1												
6/5																							1												
TOTAL	38.4	38.5	2.4	.6																	164	165	164	164											

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No Obs	Mean No. of Hours with Temperature						
Rel. Hum.	1980791	15001	91.5	7.288	164	$\leq 6 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 85 F$	Total
Dry Bulb	193734	5522	33.5	7.380	163		38.3					93
Wet Bulb	184258	5374	32.8	7.089	164		42.0					93
Dew Point	170084	5134	31.3	7.580	164		50.5					87

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0-26.5 (OL A)

FORM 1041-A

USAFETAC

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YEARS

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YEARS

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PAGE 1 1200-1400

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YEARS

MAR 1964

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point													
72/ 71																			2	2															
70/ 69																			2	2															
64/ 63																			2	2															
62/ 61																			4	4															
60/ 59																			3	3	2														
58/ 57																			3	3	2														
56/ 55																			1	1	2														
54/ 53																			9	9	4														
52/ 51																			1	10	6														
50/ 49		1.3	2.2	1.7															3	30	3	5													
48/ 47		2	1.9	2.6	1.7	1.3													3	38	19	8													
46/ 45		4	3.5	1.7	3.2														55	55	41	14													
44/ 43		2	1.9	2.6	3.7	1.3													48	48	35	28													
42/ 41		4	4.1	4.5	1.3														55	55	39	20													
40/ 39			2.6	6.7															45	45	67	41													
38/ 37			9	2.8	2.8	1.7													38	38	68	30													
36/ 35			6	2.8	3.7														34	34	43	53													
34/ 33		1.1	3.7	1.9															31	31	42	60													
32/ 31			9	1.7	1.3														18	18	48	59													
30/ 29			2	1.9															10	10	21	42													
28/ 27			2	9	4														7	7	11	29													
26/ 25		1.1																	5	5	7	25													
24/ 23			2																1	1	1	28													
22/ 21																						9													
20/ 19																						2													
18/ 17																						2													
16/ 15																						3													
14/ 13																						1													
12/ 11																						1													
10/ 9																						1													
8/ 7																						1													
TOTAL	6.3	29.4	31.0	18.0	8.2	4.5	2.2	.4											462	462	462	462													
Element (X)	ΣX^2			ΣX																															

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA HOFOLDER GERMANY AAF

63-66

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STATION

STATION NAME

YRS

PAGE 1 1800-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23	24	25	26-27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po										
58/ 57				1.6	1.6																	2	2												
56/ 55					1.6																	1	1												
54/ 53				1.6																		1	1												
52/ 51																									2										
50/ 49				1.6																		1	1												
48/ 47		3.2	1.6			1.6																4	4	2	1										
46/ 45	1.6	1.6	9.7																			5	5	3	4										
44/ 43		1.6	3.2	3.2																		5	5	5	2										
42/ 41		4.8	4.8	3.2																		8	8	7	3										
40/ 39	1.6	9.7	1.6	3.2																		1	10	9	5										
38/ 37		3.2	1.6																			3	3	5	11										
36/ 35		4.8																				3	3	5	6										
34/ 33		3.2	6.5																			5	6	5	6										
32/ 31	1.6	4.8																				4	4	5	3										
30/ 29	1.6	3.2																				3	3	7	5										
28/ 27		1.6																				1	1	5	5										
26/ 25	1.6																					1	1	1	6										
24/ 23																									4										
22/ 21		1.6																				1	1	1											
18/ 17																									1										
TOTAL	8.1	43.5	29.0	14.5	3.2	1.6																62	62	62	62										
Element (X)	Σ X ²			Σ X			Σ X			Σ X			no. Obs.			Mean No. of Hours with Temperature										Total									
Rel. Hum.	401933			4929			79,512,853			62			Σ 0 F										Σ 32 F										93		
Dry Bulb	102642			2482			40,07,333			62			Σ 67 F										Σ 73 F										93		
Wet Bulb	88547			2311			37,36,281			62			Σ 80 F										Σ 93 F										93		
Dew Point	73797			2099			33,96,697			62			Σ 93 F										Σ 93 F										93		

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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YEAR:

63-70

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PAGE 1 0300-0500

0.26-5 (Q1A)
REVISED PREVIOUS EDITIONS OF THIS NORM ARE OBSOLETE

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PAGE 1 0500-0800

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PAGE 1 1200-1400

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dev	Po			
75/ 77												.4																2		2					
76/ 75												.2																1		1					
74/ 73							.2				.2																	2		2					
72/ 71									.4		.2																	3		3					
70/ 69								.2		.2				.2		.4												5		5					
68/ 67							.2		.6	.6		.4		.6		.2												10		10					
66/ 65					.4		.6		.2			.6		.6														12		12		1			
64/ 63				.2	.8		.4		1.0	.6		.6		.6														18		18					
62/ 61				.2		1.4		.8	.4																			14		14		4			
60/ 59				.2	1.4		.4		1.0	.2																		16		16		2			
58/ 57						1.0		1.2	1.0	.2																		17		17		6			
56/ 55				2.2		2.0		2.8	.6	.4																		40		40		15			
54/ 53				.8	2.0	2.4		1.6		.2	.2																	36		36		8			
52/ 51			.8	3.2	2.2	1.2		1.0																				42		42		25			
50/ 49	.2	2.4	2.2	1.0	2.2	.4																						42		42		30			
48/ 47	.2	2.4	1.4	1.2	1.6	.8																						36		38		84			
46/ 45		2.0	2.0	1.2	3.2																							42		42		46			
44/ 43	.2	2.8	1.8	1.6	2.0	.4																						44		44		41			
42/ 41	.2	3.0	1.2	1.4	.8																							33		33		50			
40/ 39	.2	2.0	2.0	1.4	.4																							30		30		40			
38/ 37		2.0	2.4	2.4																								34		34		37			
36/ 35		1.0	.8																									3		4		47			
34/ 33		1.2	.2																									7		7		23			
32/ 31																																			

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PAGE 1 1500-1700

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PAGE 1 1800-2000

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-20-5 (OL 1)

USAFETAC

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PSYCHROMETRIC SUMMARY

65-72

187

PAGE 1 C300-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	31	DB WB	Dry Bulb	Wet Bulb	Dew P.													
60/ 59			.6																1	1															
58/ 57		1.1	.6	1.1															5	5															
56/ 55		2.2	.6	.6															6	6	7	1													
54/ 53	.6	3.4	1.7																10	10	7	4													
52/ 51	1.1	6.7	3.4	.5															21	21	13	13													
50/ 49	.6	6.2	1.1	1.7															17	17	14	11													
48/ 47	.6	9.0	3.4																23	23	20	16													
46/ 45	1.7	10.1	3.9																28	28	29	19													
44/ 43	.6	11.2																	21	21	34	22													
42/ 41	1.1	6.2	1.1																15	15	17	34													
40/ 39	1.7	2.8																	8	8	10	22													
38	1.1	2.2	1.1																8	8	10	10													
36/ 35	.6	4.3																	9	9	5	6													
34/ 33	1.1	1.1																	4	4	12	3													
32/ 31		.6																	1	1	2	4													
30/ 29		.6																	1	1	2	7													
28/ 27																			1	1	2	1													
TOTAL	10.7	68.0	17.4	3.9															176	176	178	178													

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1386806	15648	87.9	7.951	178	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	381777	8175	45.9	5.977	178		1.0					93
Wet Bulb	353290	7866	44.2	5.667	178		2.1					93
Dew Point	327243	7559	42.5	5.928	178		5.3					93

PSYCHROMETRIC SUMMARY

65-70

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PAGE 2 1200-1400

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USAFETAC
FORM 0.26-5 (OL A)
JUN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

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PAGE 1 0000-0200

USAFETAC FORM 0.26-5 O₁A)

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65-72

STATION

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PAGE 1 C600-C800

FORM 9-26-5 (71 A)

USAFETAC FORM 0-26-5 (01-61)

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YEARS

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL-A)

USAFETAC

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34077	BAUMHOLDER GERMANY AAF
STATION	STATION NAME

70

JUN
MONTH

PAGE 1 2100-2300

<u>2100-2300</u>	
HOURS	S-T

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

10 MONTH

0300-0500

USAFETAC FORM 0-26-5 (OLA)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077	BAUMGÜLDER GERMANY AAF
STATION	STATION NAME

62-70

YEARS

452

PAGE 1 0600-0800

1

YEARS

65-72

JUL
 MON

PAGE 1 0900-1100
HOURS S I I

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
84/83								.2										1	1					
82/81							.6	.2										5	5					
80/79				.2			.3	.9										11	11					
78/77					.2	.8	1.7	.6	.4									19	19					
76/75				.2	.8	1.3	.9	1.3										24	24					
74/73				.6	.9	.8	2.3	.4										26	26	1				
72/71			.2	.6	1.5	2.3	1.3	.4										36	36		1			
70/69			.6	.9	1.9	3.0	1.3	.2										42	42		1			
68/67			.2	1.1	2.1	1.1	.9	.4										31	31	20	1			
66/65		.2	1.3	2.4	1.7	.8	.2											35	35	34	8			
64/63		.2	.9	2.3	2.2	.8	.2											49	49	32	13			
62/61		.8	2.3	1.3	1.7	.9	.2											38	38	60	20			
60/59	.8	1.3	2.1	1.5	1.9	.8												44	44	65	49			
58/57	.4	3.0	2.3	2.8	2.3													57	57	59	42			
56/55	.6	3.4	.9	4.5	1.1	.2												57	57	57	80			
54/53	.2	.8	2.3	1.7	.4													28	28	64	68			
52/51		1.9	1.1	.9	.2													22	22	45	55			
50/49		.4	.6															5	5	50	41			
48/47			.2															1	1	21	45			
46/45																				9	57			
44/43																				1	22			
42/41																					20			
40/39																					6			
38/37																					3			
TOTAL	1.9	11.9	14.9	21.1	19.4	14.3	10.7	5.1	.8									531	531	531	591			

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YEARS

65-70

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STATION

STATION NAME

PAGE 1

1200-1400

HOURS 1 5 7

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YEARS

65-70

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PAGE 1 1500-1700
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YEARS

JUL
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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

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PAGE 1 0000-C200
HOURS 5.7

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0-26-5 (OL. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

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YEARS

65-70

AUG
MON

PAGE 1 C300-C500
HOURS L. S. *

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
66/ 65			.6															1	1													
64/ 63		1.1	.6															3	3	2	1											
62/ 61	.6	1.1	.6															4	4	2	2											
60/ 59	2.2	8.3	.6															2	20	12	10											
58/ 57	5.0	7.7		.6														24	24	22	19											
56/ 55	3.9	9.4																24	24	24	23											
54/ 53	2.2	6.1	1.7	.6														19	19	20	18											
52/ 51	3.9	6.1	.6															19	19	21	21											
50/ 49	2.8	5.0	.6															15	15	18	13											
48/ 47	2.2	12.2																26	26	22	18											
46/ 45	1.7	3.9																10	10	19	25											
44/ 43	3.3	2.2																10	10	10	16											
42/ 41	1.1	.6																3	3	6	7											
40/ 39	.6	.6																2	2	1	4											
38/ 37		.6																1	1	2	1											
36/ 35																					1											
TOTAL	29.3	64.6	5.7	1.1														181	181	181	181											
																						181		181								

0.26:5 (Q1-A)

USAFETAC

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEAR

65-70

AUG
MAY 1964

PAGE 1 1500-1700
HOURS 11:00 - 1:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25	26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
90/ 89										.4											2	2												
88/ 87										.2											1	1												
86/ 85										.2											1	1												
84/ 83										.4	.4										4	4												
82/ 81								.4	.4	.4	.4	.2									7	7												
80/ 79						.4	1.3	.4	.4	.6	.2										13	13												
78/ 77					.8	1.3	.4	.4	.4	.4											17	17												
76/ 75					.8	1.5	.8	1.1	.4	.4											22	22												
74/ 73				.2	.8	.8	2.1	1.5	.6												31	31												
72/ 71				.2	1.0	1.1	2.5	1.0	.2												31	31	2											
70/ 69			.6	1.3	2.5	3.1	.4	1.5													49	49	9											
68/ 67		1.0	1.5	1.5	3.6	2.1	.2	.4													54	54	19											
66/ 65		.2	1.7	1.1	2.7	2.1	1.3														48	48	23	2										
64/ 63		1.3	1.9	1.5	2.1	1.5															49	49	38	13										
62/ 61	.2	1.9	3.6	1.3	2.1	1.3	.8														59	59	67	34										
60/ 59		3.3	1.7	1.7	1.7	1.1															50	50	97	43										
58/ 57		1.1	.2	1.7	1.3	.6															26	26	74	63										
56/ 55		1.1	2.7	2.5	.2																34	34	65	48										
54/ 53		1.1	.4	.3																	9	9	47	36										
52/ 51		1.1	.8																		10	10	38	60										
50/ 49		.6																			3	3	37	71										
48/ 47																							7	53										
46/ 45																								38										
44/ 43																								18										
42/ 41																								11										
40/ 39																								7										
TOTAL	.2	11.9	14.6	13.4	13.9	17.2	15.8	6.1	4.0	1.5	.4										522	522	522	522										

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ$	$\leq 32^\circ$	$\geq 37^\circ$	$\geq 73^\circ$	$\geq 80^\circ$	$\geq 93^\circ$	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

68

AUG

STATION

STATION NAME

YEARS

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57	33.3																	2	2	2	2			
56/ 55	16.7	50.0																4	4	1	1			
54/ 53																				3				
52/ 51																					3			
TOTAL	50.0	50.0																6	6	6	6			

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$< 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	52188	558	52.0	7.668	6							
Dry Bulb	18824	336	56.0	1.265	6							93
Wet Bulb	18172	320	53.0	2.098	6							93
Dew Point	17544	324	54.0	3.098	6							93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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34077	BAUMBOLDER GERMANY AAF
STATION	STATION NAME

68

SEP

PAGE 1 0000-0200
HOURS S. Y.

0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

USAFETAC

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YEARS

528

PAGE 1 0300-0500
HOURS 11.5.57

USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

SEP
MONTH

0900-1100
HOURS S.

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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65-70

SEP

PAGE 1 1200-1400

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USAFETAC

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YEARS

512

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0-26-5 (QLA)

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

PAGE 1 C30000500
HOURS 1 5 7

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PSYCHROMETRIC SUMMARY

65-70

100

PAGE 1 1500-1700
HOURS (L. S. T.)

0-26-5 (OLA)
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 FORM

USAFETAC

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YEARS

65

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.G. W.B.	Dry Bulb	Wet Bulb	Dew Point																					
54/ 53		3.4																1	1																							
52/ 51																				1	1																					
46/ 43		10.3																3	3	1																						
44/ 43	6.9	3.4																3	3	3	4																					
42/ 41	6.9																	2	2	2	4																					
40/ 39	3.4	3.4		3.4														3	3	2																						
38/ 37																					2																					
36/ 35		13.8																4	4	2																						
34/ 33		3.4																1	1	3	3																					
32/ 31	6.9	6.9																4	4	4	3																					
30/ 29		3.4																1	1	2	2																					
28/ 27	6.9																	2	2	2	3																					
26/ 25	6.9																	2	2	2	4																					
24/ 23	6.9	3.4																3	3	3	1																					
22/ 21																					1																					
20/ 19																					1																					
TOTAL	44.8	51.7		3.4														29	29	29	29																					

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YEARS

DEC
1971

PAGE 1 C300-C350
HOURS L. S. 7

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

FORM 1

USAFETAC

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PAGE 1 0600-0800
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC

MON'DAY

C900-1100

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65-70

STATION NAME

YEARS

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1200-1400

40185

REVISED SEP 1974. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

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PAGE 1 1500-1700

0-26.5 (OLA)
 RETIRED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

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PSYCHROMETRIC SUMMARY

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1800-2000

0-26.5 (OL A);
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

36077 HAUMHOLDEK GERMANY AAF
STATION STATION NAME

65-70
YEARS

HRS (LST)	MEAN S D TOTAL OBS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02							33.7		57.7	54.5				58.1 1,542 8
03-05		29.8 8.833 118	31.2 8.719 123	33.5 7.330 165	38.7 8.598 169	43.1 8.977 173	52.3 8.387 181	53.8 8.170 177	52.5 8.527 181	48.7 8.643 170	45.1 7.092 173	35.5 7.539 160	31.4 7.299 124	42.4 10,165 1921
06-08		29.8 8.866 409	31.3 8.236 484	34.6 7.439 516	41.3 7.240 518	50.4 8.078 523	56.8 8.499 560	58.4 8.233 531	58.5 8.823 527	51.2 8.304 514	44.4 7.011 533	35.1 7.748 495	30.5 7.864 468	44.2 12,610 8080
09-11		31.2 8.433 429	33.4 7.705 486	39.1 7.358 513	46.8 8.334 519	50.6 7.856 560	61.7 7.941 540	63.0 7.891 521	62.9 7.049 537	57.8 5.418 516	51.3 6.615 534	37.9 7.446 495	31.7 7.286 488	48.4 14,196 8128
12-14		33.4 8.243 429	36.2 7.527 474	42.6 7.853 483	49.6 8.932 498	59.0 8.703 508	64.9 8.517 560	67.0 9.060 527	66.4 7.668 522	61.7 6.356 504	53.2 7.113 513	40.4 7.928 469	33.6 6.495 450	51.6 14,744 5944
15-17		32.6 8.417 380	38.6 7.797 452	42.2 7.412 482	49.8 8.802 478	58.8 8.595 137	64.4 8.491 540	66.6 9.087 522	68.8 7.396 522	60.9 6.477 507	53.4 6.838 501	37.0 7.625 465	33.1 6.866 522	51.4 14,728 5738
18-20		28.4 11.099 29	35.0 8.417 36	40.0 7.339 62	44.2 6.304 60	57.3 7.743 62	64.2 7.961 50	60.4 6.266 62	52.0 6.966 62	56.8 5.573 60	47.6 7.348 62	35.6 7.880 29	36.7 6.075 27	50.9 13,343 627
21-23							57.5		56.0 1,265					54.4 1,302 8
ALL HOURS		31.6 8.689 1794	33.4 8.180 2108	39.1 8.330 2201	46.8 9.023 2242	50.6 8.908 2250	61.2 8.671 2624	63.1 8.971 2348	62.0 8.201 2376	57.1 7.473 2275	51.0 7.803 2313	38.0 7.894 2098	32.2 7.229 1849	48.4 14,242 26454

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34077 BAUMHOLDER GERMANY AAF
STATION STATION NAME

65-70
YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN S D TOTAL OBS					55.3 3 3		57.7 3 3	52.0 2				55.4 2,446 B	
03-05	MEAN S D TOTAL OBS	29.7 8.398 119	30.5 8.349 133	32.8 7.089 164	37.3 6.250 169	44.2 5.687 178	50.4 5.042 181	52.1 4.922 177	51.4 5.425 181	47.9 5.487 170	44.2 6.988 175	34.6 7.265 160	30.8 7.021 124	41.4 10.518 1947
06-08	MEAN S D TOTAL OBS	29.7 8.398 398	30.5 7.975 482	33.4 7.166 515	39.1 6.583 518	47.0 5.450 535	53.2 5.423 540	55.0 5.205 531	54.1 5.085 537	49.7 4.979 514	45.2 6.817 533	34.8 7.106 494	29.3 7.579 468	42.4 11.483 6063
09-11	MEAN S D TOTAL OBS	30.4 8.092 425	32.1 7.272 486	36.5 6.494 513	42.1 6.608 515	49.3 5.729 540	55.1 5.826 540	57.1 5.780 531	57.0 5.150 527	53.3 4.949 510	48.4 6.073 534	36.5 6.716 494	30.7 7.083 488	44.5 11.788 6123
12-14	MEAN S D TOTAL OBS	32.0 7.777 428	34.1 6.883 474	38.6 6.259 483	43.7 6.576 498	50.8 5.935 528	56.3 5.807 540	58.4 6.029 522	58.3 5.399 522	55.0 4.581 508	50.5 6.642 513	38.1 6.820 489	32.3 6.902 450	46.3 11.613 5943
15-17	MEAN S D TOTAL OBS	31.7 7.965 378	33.7 6.984 452	38.3 6.190 482	43.5 6.266 478	50.6 5.610 537	56.3 5.606 540	58.3 5.922 522	59.1 5.032 522	54.6 4.597 507	49.6 6.102 501	37.2 6.769 465	32.1 6.504 382	46.3 11.559 5736
18-20	MEAN S D TOTAL OBS	26.6 10.913 27	34.4 7.782 86	37.2 6.231 62	44.3 4.726 60	50.2 5.372 82	57.1 4.890 60	55.1 4.589 62	54.1 5.051 68	52.8 4.475 60	47.6 7.314 62	34.8 7.692 23	30.0 5.800 27	46.4 10.913 635
21-23	MEAN S D TOTAL OBS					57.5 2 2		55.0 2.098 6						55.6 2,134 8
ALL HOURS	MEAN S D TOTAL OBS	30.8 8.187 1769	32.5 7.542 2103	36.6 6.799 2189	41.5 6.509 2242	49.1 6.011 2380	54.9 5.870 2406	56.8 5.940 2348	56.4 5.576 2376	52.7 5.209 2279	46.0 6.722 2318	36.5 7.007 2091	31.2 6.791 1949	44.6 11.600 26663

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34077 BAUMHOLTER GERMANY AAF

65-70

STATION	STATION NAME	YEARS	HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02			MEAN S D TOTAL OBS						55.0 3		57.7 3	50.0 2				54.8 3,240 8
02-05			MEAN S D TOTAL OBS	28.4 9.065 118	29.0 9.196 153	31.3 7.980 164	35.4 6.948 169	42.5 5.938 178	48.9 5.386 181	50.8 5.089 177	50.6 5.545 181	47.1 5.452 170	43.2 7.306 173	33.3 7.276 160	29.5 7.412 124	40.0 10,830 1947
06-08			MEAN S D TOTAL OBS	23.3 9.099 396	29.0 8.811 482	31.4 7.815 515	36.2 7.204 518	42.9 5.939 525	50.4 5.682 540	52.5 5.317 531	52.3 5.150 537	48.5 5.013 514	44.1 7.075 533	33.4 7.125 494	28.2 8.107 468	40.4 11,545 6043
09-11			MEAN S D TOTAL OBS	28.4 8.977 425	29.7 7.933 686	32.9 7.119 513	36.8 7.570 519	43.8 6.363 540	50.3 6.066 540	51.5 6.029 531	52.9 5.446 537	49.8 4.903 516	43.9 6.777 534	34.6 6.798 494	28.8 7.751 488	41.0 11,417 6123
12-14			MEAN S D TOTAL OBS	29.3 8.659 428	30.7 7.882 476	32.6 6.983 483	37.0 7.491 498	43.6 6.774 538	50.3 6.324 540	52.7 6.109 522	52.8 5.803 522	49.8 5.324 506	46.3 7.078 513	35.3 6.786 489	30.1 7.174 450	41.5 11,132 5943
15-17			MEAN S D TOTAL OBS	29.6 8.711 378	30.8 7.872 682	33.5 6.993 482	37.0 7.496 478	43.5 6.362 537	50.4 6.127 540	52.7 5.989 522	52.8 5.663 522	49.9 5.078 507	46.2 7.031 501	35.0 6.696 443	30.5 7.148 392	41.8 10,975 5736
18-20			MEAN S D TOTAL OBS	24.2 12.280 27	32.4 8.049 86	33.9 6.697 62	40.2 5.272 60	44.0 6.118 62	52.3 4.984 60	51.3 5.409 62	52.0 5.866 68	49.9 4.691 60	45.7 6.124 62	33.5 8.038 29	35.1 6.275 27	43.0 10,434 483
21-23			MEAN S D TOTAL OBS						37.5 2		54.0 3,098 8					54.9 3,091 8
ALL HOURS			MEAN S D TOTAL OBS	29.8 8.996 1769	30.0 8.040 2103	32.7 7.313 2189	36.7 7.327 2242	43.6 6.328 2390	50.2 5.993 2406	52.4 5.814 2343	52.3 5.844 2376	49.3 5.184 2273	45.4 7.116 2318	34.5 6.936 2091	29.4 7.422 1749	41.1 11,247 26663

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077 BAUMHOLDER GERMANY AAF

65-70

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	99.8	94.8	84.8	58.5	89.4	1769
FEB		100.0	100.0	100.0	100.0	99.8	99.2	90.7	77.7	46.4	86.9	2103
MAR		100.0	100.0	99.8	98.7	96.4	89.9	75.9	57.5	32.9	80.6	2199
APR		100.0	99.8	99.1	96.1	88.4	74.5	61.2	45.4	22.3	74.2	2242
MAY		100.0	100.0	99.7	94.8	80.6	64.3	48.6	32.4	15.3	69.1	2390
JUN		100.0	100.0	100.0	98.0	89.9	77.0	64.5	51.8	36.8	78.1	2406
JUL		100.0	100.0	100.0	98.1	89.5	72.6	54.8	37.8	18.2	72.8	2345
AUG		100.0	100.0	100.0	99.2	92.8	82.1	69.2	53.3	35.2	80.3	2376
SEP		100.0	100.0	100.0	99.6	96.9	87.9	74.8	49.9	26.9	79.9	2275
OCT		100.0	100.0	100.0	99.9	99.0	93.8	82.8	65.6	39.0	84.1	2318
NOV		100.0	100.0	100.0	100.0	99.9	98.1	92.2	81.6	57.3	88.9	2091
DEC		100.0	100.0	100.0	100.0	100.0	99.8	98.1	91.1	58.1	90.8	1949
TOTALS		100.0	100.0	99.9	98.7	94.4	86.4	75.6	61.2	37.8	81.3	26463

RELATIVE HUMIDITY

66-70

183

STATION

STATION NAME

PERIOD

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RELATIVE HUMIDITY

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RELATIVE HUMIDITY

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MONI

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.2	90.9	67.1	91.5	164
	06-08	100.0	100.0	100.0	99.3	99.8	99.8	96.7	81.7	30.1	89.1	515
	09-11	100.0	100.0	100.0	99.0	97.7	90.8	73.8	52.6	22.2	79.2	513
	12-14	100.0	100.0	99.4	97.1	91.3	76.0	53.2	31.7	12.6	72.0	483
	15-17	100.0	100.0	99.4	97.6	91.3	79.4	57.1	35.1	14.9	73.1	462
	18-20	100.0	100.0	100.0	98.4	98.4	93.5	74.2	53.2	30.6	79.5	62
	21-23											
TOTALS		100.0	100.0	99.8	98.7	96.4	89.9	73.9	57.5	32.9	80.6	2199

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1 DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077 BAUMHOLDER GERMANY AAF
STATION STATION NAME

65-70
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF O.S
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	3
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	95.0	83.4	43.9	88.2	181
	06-08	100.0	100.0	100.0	100.0	99.6	94.1	77.8	53.0	20.2	80.0	340
	09-11	100.0	100.0	100.0	99.6	90.6	63.4	37.2	20.4	8.5	67.6	340
	12-14	100.0	100.0	100.0	94.3	72.4	47.0	27.8	15.0	5.7	61.8	340
	15-17	100.0	100.0	99.8	92.0	73.5	49.4	31.7	17.8	6.1	62.3	340
	18-20	100.0	100.0	100.0	98.3	83.3	60.0	46.7	25.0	4.3	67.3	60
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2
TOTALS		100.0	100.0	100.0	98.0	89.9	77.0	64.5	51.8	36.8	78.1	2406

11

34077	BAUMHOLDER GERMANY AAF	65-70	JUL
STATION	STATION NAME	PERIOD	MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.4	89.8	50.3	89.5	177
	06-08	100.0	100.0	100.0	100.0	99.8	96.4	83.6	54.0	21.1	81.3	531
	09-11	100.0	100.0	100.0	99.6	90.2	68.0	40.1	19.4	8.9	68.1	531
	12-14	100.0	100.0	99.8	95.6	74.7	45.4	25.1	13.4	5.9	61.8	522
	15-17	100.0	100.0	100.0	94.8	75.7	46.7	25.2	16.1	7.7	62.6	542
	18-20	100.0	100.0	100.0	98.4	96.8	79.0	53.2	33.9	14.5	73.5	62
	21-23											
TOTALS		100.0	100.0	100.0	98.1	89.3	72.6	54.8	37.8	18.2	72.8	2345

1

RELATIVE HUMIDITY

65-70

Aug

DATE:

STATION NAME

055 05

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1

RELATIVE HUMIDITY

65-70

SEP
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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RELATIVE HUMIDITY

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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RELATIVE HUMIDITY

65-70

VOV
- MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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RELATIVE HUMIDITY

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.4	95.2	70.2	92.6	124
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	93.8	59.6	91.2	468
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	98.4	89.3	50.2	89.4	488
	12-14	100.0	100.0	100.0	100.0	100.0	99.3	94.2	78.2	43.6	87.3	450
	15-17	100.0	100.0	100.0	100.0	100.0	99.5	97.7	90.1	54.3	90.4	392
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	70.4	93.9	27
	21-23											
TOTALS		100.0	100.0	100.0	100.0	100.0	99.3	98.1	91.1	58.1	90.6	1949

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE (MAC)
 ASHEVILLE, NORTH CAROLINA

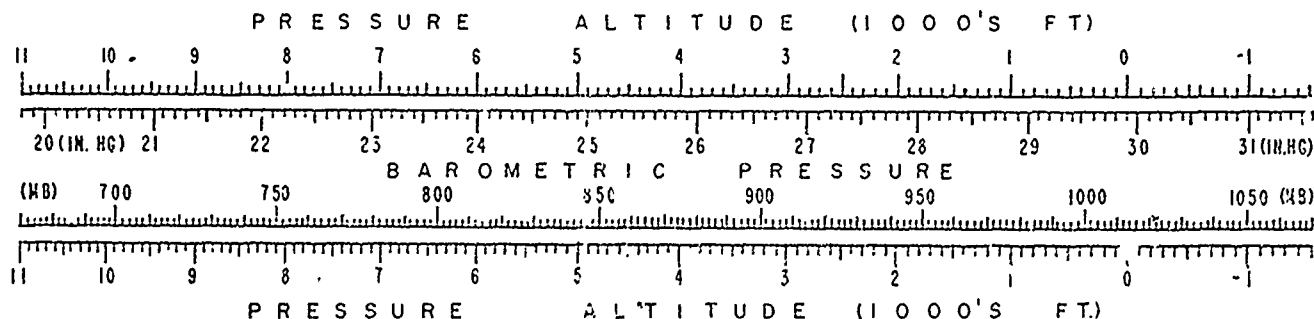
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34077 BACHMOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN					28.600		28.120					
	S D												
	TOTAL OBS					1		1					
03	MEAN					28.570		28.140					
	S D												
	TOTAL OBS					1		1					
06	MEAN	28.404	28.298	28.443	28.414	28.453	28.521	28.524	28.476	28.484	28.529	28.369	28.37
	S D	.292	.282	.270	.256	.196	.134	.157	.149	.204	.223	.291	.331
	TOTAL OBS	123	134	141	142	148	150	162	179	171	175	165	142
09	MEAN	28.420	28.310	28.461	28.421	28.458	28.527	28.530	28.487	28.497	28.549	28.385	28.4
	S D	.283	.285	.269	.257	.197	.134	.156	.148	.205	.225	.294	.327
	TOTAL OBS	143	134	140	143	149	150	162	179	172	177	165	163
12	MEAN	28.410	28.305	28.458	28.407	28.449	28.519	28.520	28.477	28.486	28.535	28.372	28.387
	S D	.281	.285	.271	.257	.195	.136	.154	.145	.203	.222	.297	.327
	TOTAL OBS	143	130	130	136	149	150	159	174	168	170	157	150
15	MEAN	28.405	28.292	28.439	28.388	28.430	28.503	28.506	28.464	28.469	28.524	28.365	28.361
	S D	.279	.281	.265	.253	.196	.135	.148	.142	.202	.221	.298	.327
	TOTAL OBS	143	130	130	136	148	150	159	174	169	169	156	142
18	MEAN	28.416	28.202	28.541	28.323	28.498	28.479	28.415	28.468	28.462	28.468	28.266	28.233
	S D	.294	.276	.278	.290	.163	.119	.114	.149	.214	.223	.352	.287
	TOTAL OBS	29	28	31	30	31	30	46	64	60	62	29	27
21	MEAN							28.265					
	S D												
	TOTAL OBS							2					2
ALL HOURS	MEAN	28.410	28.296	28.455	28.403	28.450	28.516	28.513	28.474	28.483	28.529	28.368	28.378
	S D	.283	.283	.269	.258	.194	.134	.154	.147	.204	.223	.298	.327
	TOTAL OBS	581	556	572	587	625	632	688	774	740	753	672	631

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

34077 BAUMHOLDER GERMANY AAF

66-67

STATION

STATION NAME

YEARS

HRS. LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN												
	S D												
	TOTAL OBS												
03	MEAN												
	S D												
	TOTAL OBS												
06	MEAN	1018.6	1016.8	1016.7	1014.3	1011.8	1017.7	1014.3	1013.8	1014.4	1010.3	1014.8	1011.2
	S D	5.988	11.051	9.809	8.085	6.641	4.319	4.345	5.090	5.951	7.891	12.515	12.644
	TOTAL OBS	31	28	31	30	31	30	55	62	60	56	53	32
09	MEAN	1019.2	1017.3	1017.4	1014.0	1011.5	1017.9	1014.3	1013.8	1014.6	1011.2	1013.6	1011.1
	S D	6.284	11.003	9.362	8.083	6.637	4.011	4.305	4.914	6.022	8.116	10.718	12.717
	TOTAL OBS	31	28	31	30	31	30	55	62	60	56	53	32
12	MEAN	1018.6	1016.9	1017.0	1013.3	1010.8	1017.3	1014.0	1013.5	1014.1	1010.6	1014.9	1010.7
	S D	6.158	10.899	9.095	7.870	6.713	4.190	4.244	4.879	6.135	8.181	10.637	12.549
	TOTAL OBS	31	28	31	30	31	30	55	62	60	53	49	32
15	MEAN	1018.4	1016.4	1016.0	1012.6	1010.0	1016.9	1013.5	1013.1	1013.5	1010.0	1014.7	1011.1
	S D	6.330	10.201	9.012	7.635	6.978	4.207	4.083	4.944	6.221	8.118	10.616	13.145
	TOTAL OBS	31	28	31	30	31	30	55	62	60	56	52	32
18	MEAN						1012.1	1013.4	1016.6	1008.6			1012.7
	S D						3.471	5.435	5.122	7.306			7.271
	TOTAL OBS						24	31	30	31			11
21	MEAN												
	S D												
	TOTAL OBS												
ALL HOURS	MEAN	1018.7	1016.8	1016.8	1013.5	1011.0	1017.4	1013.6	1013.5	1014.4	1010.5	1013.0	1011.2
	S D	6.123	10.652	9.223	7.846	6.697	4.148	4.192	4.984	5.959	7.961	12.550	12.624
	TOTAL OBS	124	112	124	120	124	120	244	279	270	232	207	131